

Release Date 7-15-79

CONFIDENTIAL



P-W

Hallett #1 State
SE NE 28-19N-26E Apache County 451

sl

COUNTY Apache AREA 8 mi S. Navajo LEASE NO. State 10602

WELL NAME Hallett #1 State 2168 FNL 703 FEL

LOCATION SE/4 NE/4 SEC 28 TWP 19N RANGE 26E FOOTAGE 2410 FNL 620 FEL per USGS

ELEV 5730 GR KB SPUD DATE 4-18-68 STATUS COMP. DATE 2-21-70 TOTAL DEPTH 996'
From USGS 7 1/2 Quad per CED

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
8 5/8	40'	5 Sks	NA	<input checked="" type="checkbox"/>			
4 1/2	882'	130 SKS					

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Tertiary	0		x	
Chinle	6			
Chinle Congl.	730			
Shinarump	760			
Moenkopi	795			
Coconino	991			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Electrical Log, Temperature	810-878	NA	SAMPLE DESCRP.
Log, Gamma-Collar Record	822-826		SAMPLE NO. <u>4-7-69</u>
	851-872		CORE ANALYSIS <input checked="" type="checkbox"/>
			DSTs <input checked="" type="checkbox"/>

REMARKS Designation of operator: Fulton to Hallett Development
5-20-68. Temp. Aband to expire 7-10-68. 6-26-68 resumed operations
7-15-68 Temp. aban. 2-17-69 TA to expire 5-17-69; 10-20-69 TA to
expire 1-1-70; 9-21-69 TA to expire 10-14-69.

APP. TO PLUG
 PLUGGING REP.
 COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. St. Paul Fire & Marine Insurance Co. BOND NO. 400 BT 5019
 BOND AMT. \$ 15,000 CANCELLED 12-18-70 DATE _____
 FILING RECEIPT 9535 LOC. PLAT WELL BOOK PLAT BOOK
 API NO. 02-001-20073 DATE ISSUED 1-25-8 DEDICATION E/2 NE/4

PERMIT NUMBER 451

(over)

CONFIDENTIAL
 Release Date 1-15-69

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator HALLETT DEVELOPEMENT COMPANY Address CROSBY, MINNESOTA

Federal, State or Indian Lease Number or name of lessor if fee lease STATE 10602 Well Number #1 Field & Reservoir NONE

Location 10 MILES SOUTH OF NAVATO, ARIZONA County APACHE

Sec. TWP-Range or Block & Survey SE 1/4 NE 1/4 SEC. 28-19N-26E

Date spudded 18 APRIL 1968 Date total depth reached 1 MAY 1968 Date completed, ready to produce - Elevation (DF, RKB, RT or Gr.) feet - Elevation of casing hd. flange feet -

Total depth 996 P.B.T.D. - Single, dual or triple completion? - If this is a dual or triple completion, furnish separate report for each completion. -

Producing interval (s) for this completion NONE Rotary tools used (interval) ENTIRE WELL Cable tools used (interval) -

Was this well directionally drilled? NO Was directional survey made? - Was copy of directional survey filed? - Date filed -

Type of electrical or other logs run (check logs filed with the commission) E-LOG Date filed -

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
<u>SURFACE</u>	<u>12"</u>	<u>8 7/8"</u>	<u>9.5</u>	<u>40'</u>	<u>5</u>	<u>NONE</u>
<u>PRODUCTION</u>	<u>6"</u>	<u>4 1/2"</u>	<u>9.5</u>	<u>882'</u>	<u>130 TOTAL</u>	<u>NONE</u>

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
<u>LEACH 2'</u>	<u>3/8 SHOT</u>	<u>810-878</u>	<u>11CL ACID LOW STRENGTH</u>	<u>ENTIRE WELL</u>
	<u>3/8 SACT</u>	<u>1EA. AT 822, 826, 851, 872</u>	<u>1000 GAL. 15% Na</u>	

INITIAL PRODUCTION

Date of first production NONE Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): -

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold): -

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the GEOLOGIST of the HALLETT DEVELOPEMENT CO. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date 11 June 1970

Signature Donald E. Harker

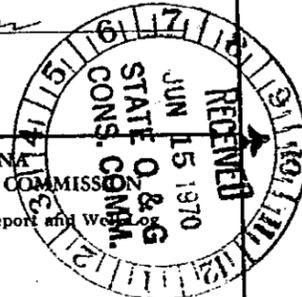
Permit No. 451

Form No. 4

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Well Completion or Recompletion Report and Well Log

File One Copy



DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
TERTIARY	0	6	UNCONSOLIDATED SAND AND DIRT
CHINLE	6	730	REDISH SHALES WITH SANDSTONE STRINGERS
CHINLE CONGL.	730	760	MEDIUM GRAINED CONGLOMERATIC SANDSTONE WITH LIMESTONE PEBBLES
SHINARUMP	760	795	COARSE GRAINED CONGLOMERATIC SANDSTONE VERY LENSY.
MOEN KOPI	795	991	REDISH BROWN TO GRAYISH SANDSTONE WITH LESS WELL CEMENTED LENSES.
COCONINO	991	996	BUFF TO WHITE MEDIUM GRAINED SANDSTONE VERY POROUS. (CORE TAKEN)
PACIER SETTINGS WERE 710 & 806 FROM ZERO GL.			

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

Operator Hallett Development Company		Address Crosby, Minnesota	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. 10602		Well No. #1	Field & Reservoir South Pinta Dome Area
Location of Well 10 Mi. SW Navajo, Arizona		Sec-Twp-Rge or Block & Survey NE$\frac{1}{4}$, NE$\frac{1}{4}$, Sec. 28, T 19N, R26 E	County Apache
Application to drill this well was filed in name of Hallett Development Company	Has this well ever produced oil or gas no	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? Dry	
Date plugged: 21 February 1970	Total depth 997' Cement back to 888'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day) - - -	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging No commercial quantities of gas shinarump Congl. Open through casing by perforation.	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement Filled with drilling mud seal to within 15' of top then 15' cement plug as per application.

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
8 5/8"	40'	None	40'		
4 1/2 "	888'	None	888'		Float Shoe on casing

Was well filled with mud-laden fluid, according to regulations? yes	Indicate deepest formation containing fresh water. No fresh water encountered
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NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
R.T. Spurlock	Navajo, Arizona	Surrounds leased section

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

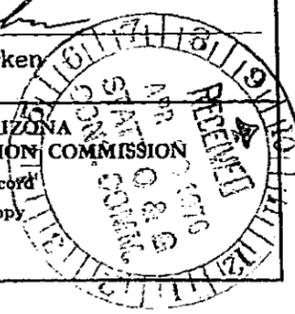
Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Geologist of the Hallett Development Company (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date 14 April 1970 Signature Ronald E. Harken
 Ronald E. Harken

Permit No. 451 Form No. 10

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Plugging Record
 File One Copy



APPLICATION TO ABANDON AND PLUG

FIELD South Pinta Dome Area
OPERATOR Hallett Development Company ADDRESS Crosby, Minnesota
Federal, State, or Indian Lease Number _____
or Lessor's Name if Fee Lease Hallett #1 State 10602 WELL NO 1-10602
SURVEY T 19N, R 26E SECTION 28 COUNTY Apache
LOCATION Sec. 28, T 19N, R 26E Apache County Arizona

TYPE OF WELL Gas (Helium) TOTAL DEPTH 997
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned) None
LAST PRODUCTION TEST OIL _____ (Bbls.) WATER None (Bbls.)
GAS No Production (MCF) DATE OF TEST _____
PRODUCING HORIZON Well has not been produced PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD
40' of 8 5/8" surface casing was set. Hole was then drilled to 997'
and cemented back to 888' in open hole shutting off salt water flow from
the coconino sandstone. 4 1/2", 9 1/2 lb. casing was then set to the top of
the cement plug and cemented in.

2. FULL DETAILS OF PROPOSED PLAN OF WORK After perforating casing some gas was
swabbed. No evidence of water was found in the cased hole. Request
that hole be plugged using drilling mud to seal the hole to within 15'
of the surface then set a 15' cement surface plug. The test ran on
the hole by Walsh Eng. Co. showed no evidence of water when the hole
was tested.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? _____ If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS Within 30 days (exact date will follow)

NAME OF PERSON DOING WORK Wheat Drilling Company ADDRESS Glendale, Arizona

CORRESPONDENCE SHOULD BE SENT TO Ronald E. Harken

Name

Geologist

Title

Box 13 Boone, Iowa

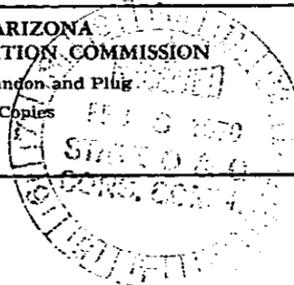
Address

January 31, 1970

Date

Date Approved 2-5-70
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John Kinnerley
Permit No. 451

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9



December 18, 1970

Memo from W. E. Allen
Director, Enforcement Section

Re: Hallett #1 State 10603
NE/4 NE/4 Sec. 36-T19N-R26E
Apache County
Our File #449

Hallett #1 State 10602
SE/4 NE/4 Sec. 28-T19N-R26E
Apache County
Our File #451

Hallett #2 State 10603
SE/4 NW/4 Sec. 26-T19N-R26E
Apache County
Our File #465

Prior to releasing the bond on the above wells, Jim Fulton was contacted to determine the condition of the locations. Mr. Fulton was the geologist that supervised the drilling of these wells. All locations were clean, leveled, pits filled, debris removed, and dry hole markers in place.

WELL # 2 Sec. 28-19-26

Hole Elevation - 5730'

Gas Shows - 750' Gas Bubbles in Return Mud Stream
800' "" "" "" "" ""
850' "" "" "" "" ""
965'-982' "" "" "" "" ""

Caseing depth-

Well was cemented back to 888' due to salt water in the coconino. Then casing was set. Caseing and float-shoe went to 882' S.P. and Gamma Logs were both run

Peroration -

810-820 one 3/8" Perforation each 2'
820-828 "" "" "" "" " and
 7/8" Perforation at 822 & 826

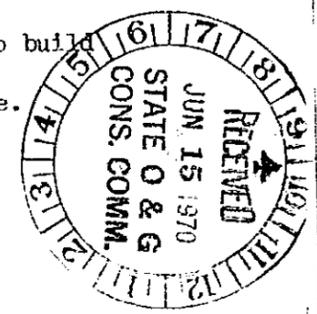
828-878 One 3/8" Perforation each 2' and one
 7/8" Perforation at 851 & 872 and
 one 3-way shot at 874.

451

WELL # 2 Section 28-19-26

Drilling began at 1:00 on Thursday the 18th of April 1968. Forty foot of surface casing was set and cemented. Drilling continued to 750' where a slight gas show was encountered and marked for future testing. Other small shows were encountered at 800' and 890' and marked for testing. Bubbles again appeared at 965'. Drilling was then slowed to 2 foot intervals of drilling then 15 minutes of circulation to 982'. Bubbles were nearly continuous at this point. At this point it was decided that a core would be of value to determine the porosity of the formation. In going in with the core barrel a large pocket of gas bubbles was encountered at 800'. They were coming out of the drill pipe in large quantities. A core was cut from 982'-992'. Most of the core was shale with a small amount of Coconino Sandstone in the bottom. Another core was immediately taken from 992' to 996'. This core showed Coconino Sandstone of good porosity and no salt. A drill stem test was then conducted. On the second run to the bottom with the swab salt water was encountered. No gas was encountered on this test. It was decided to run the E-log next. It was felt that this would give us further information on which to test the formations in a more concrete fashion. The log was run and analyzed. The hole was then plugged back to 888.0 feet with Halliburton Well Service doing the cementing to stop the salt water flow. The log had shown no zones of good porosity below this level. On Thursday the 25th of April 1968 the second drill stem test was run. The packer was set at 810.8 and swabbed. On the second run to the bottom gas began to flow. The well was closed in and allowed to build. The well was allowed to build for three hours and built to 57 pounds of pressure at shut down time.

451



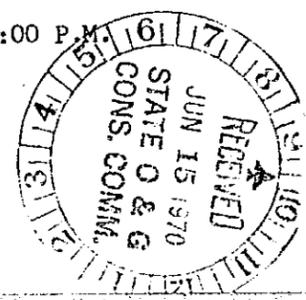
The next morning the well had built to 75 pounds and was still rising when pressure was released. Packer was pulled leaving part of the rubber in the hole. New rubber was installed and packer was set at 718.2. A small amount of gas was detected but no pressure was built so the packer was pulled. The last portion of the packer rubber was chased to the bottom of the hole at the 886' level.

Mr. Jensen and Mr. McGiffert were then consulted and it was decided to set casing on the hole. The casing was set, cemented and landed on the surface casing. The well casing was then perforated with 3/8 perforations in three zones and tested with the casing packer. No gas was in evidence. Two "bear gun" shots (7/8" holes) were tried in the top zone without success. This occurred on the 1st of May 1968. The hole was shut down on this date to consider what should be done next.

The hole was reoped on the 27th of June 1968. It had been decided in interim period to acidize the hole after reaming the casing. The reaming was necessary to clean up the casing after the large perforations were shot. One zone of possibility had not been perforated. This was done and gas immediately began to flow in small amounts from the 872' level.

In the shooting process the gun was lost down the hole and had to be fished out. Even though gas was flowing by heads it was decided to acidize. It was reasoned that this would clean out the perforations and give a larger flow.

This was done and flow increased but channeling was noted between the zones where the well was perforated. It was also believed that water from an upper zone was invading the well through the channeled perforation. The hole was shut down July 3, 1968, for the holidays. The hole was reopened on July 8, 1968 and packer was set at 697' and swabbing began. At 3:00 P.M.



451

on July 9th the well was closed in for pressure check. The pressures and times were as follows:

3:30-5 lbs, 3:45-6.5 lbs, 4:00-9 lbs, 4:15-11 lbs, 4:30-14 lbs,
4:45-16 lbs, 5:00-19 lbs, 5:15-21 lbs, 5:30-23 lbs, 5:45-25 lbs,
6:00-27 lbs, 6:15-29 lbs, 6:30-31 lbs, 7:00-36 lbs, 7:30-40 lbs,
8:30-41 lbs, 11:30-42 lbs, at 7:30 the next morning 82 lbs,
10:30-97 lbs, 2:30 in the afternoon 100 lbs.

Pressure was still building slowly. It was now decided to pull the packer, seal the well in and move on to the next hole, It was felt that the third hole might be able to give us more information in the way of a core to help us decide on a fracturing media to use. By the same taken it would give us time to consider the next step necessary to properly complete the well.

451

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Hallett Development Company
 2. OIL WELL GAS WELL OTHER (Specify) Wildcats
 3. Well Name Hallett # 1 State 10602 and Hallett # 1 State 10603
 Location 8 miles South of Navajo, Arizona
 Sec. 28 and 36 Twp. T19N Rge. R26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State leases

5. Field or Pool Name Wildcats

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<u>Status Report</u>		(OTHER)				

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

No progress in negotiation.

Mr. Jim Fulton will advise and discuss future operations with you.



8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harken Title Geologist Date January 5, 1970
 Ronald E. Harken

Permit No. 449
451

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File 2 Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

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SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Status Report</u>		(OTHER) _____	

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Negotiations on above wells are still in progress. No further physical work has been accomplished.

8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harken Title Geologist Date December 1, 1969

Permit No. 451

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25



SUNDRY NOTICES AND REPORTS ON WELLS

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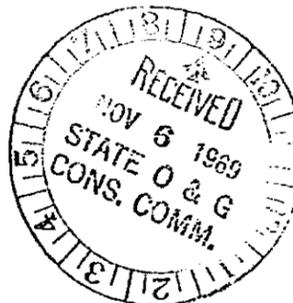
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4^v Well status is unchanged and remains on temporary abandoned status. No work has been accomplished on either well since last report.

Oct Report



8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harken Title Geologist Date October 31, 1969
 Ronald E. Harken

Permit No. 451 ✓
~~449~~

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

WELL # 2 Sec. 28-19-26

Hole Elevation - 5730'

Gas Shows - 750' Gas Bubbles in Return Mud Stream
800' " " " " "
890' " " " " "
965'-982' " " " " "

Caseing depth- Well was cemented back to 888' due to salt water in the coconino. Then casing was set. Caseing and float-shoe went to 882' S.P. and Gamma Logs were both run

Peroration - 810-820 one 3/8" Perforation each 2'
820-828 " " " " " and
7/8" Perforation at 822 & 826

828-878 One 3/8" Perforation each 2' and one
7/8" Perforation at 851 & 872 and
one 3-way shot at 874.

1. NO CORE ANALYSES WERE MADE
2. DRILL STEM TESTS WERE CONDUCTED AND RESULTS WERE INCLUDED IN DRILLING LOGS WHICH YOU HAVE.
3. E-LOG, GAMMA RAY LOG & TEMP. LOG ARE ENCLOSED
4. SOME 5' DRILL TIMES WERE KEPT THEY ARE AVAILABLE IF YOU WANT THEM
5. A WRITTEN REPORT INTENDED FOR COMPANY USE ONLY IS AVAILABLE ON THESE WELLS. IT IS CONFIDENTIAL, BUT I WILL SEND IT TO YOU IF YOU DEEM IT A NECESSITY.



451

May Report
 Sundry Notices and Reports on Wells

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SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Status Report</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Negotiations on above wells are still in progress. No further physical work has been accomplished.

May Report



8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harken Title _____ Date June 2, 1969
 Ronald E. Harken

Permit No. 451

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Three Sept. 30, 1969

April Report

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Hallett Development Company

2. OIL WELL GAS WELL OTHER (Specify) Wildcats

3. Well Name Hallett # 1 State 10602 and Hallett # 1 State 10603

Location 8 miles South of Navajo, Arizona

Sec. 28 and 36 Twp. T19N Rge. R26E , County Apache , Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease State leases

5. Field or Pool Name Wildcats

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF PULL OR ALTER CASING

FRACTURE TREAT DIRECTIONAL DRILL

SHOOT OR ACIDIZE PERFORATE CASING

REPAIR WELL CHANGE PLANS

(OTHER) Status Report

SUBSEQUENT REPORT OF:

WATER SHUT-OFF MONTHLY PROGRESS

FRACTURE TREATMENT REPAIRING WELL

SHOOTING OR ACIDIZING ALTERING CASING

ABANDONMENT

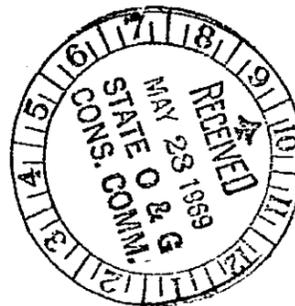
(OTHER)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Pressure and volume measurements were made on 4-22-69 on Hallett # 1 State 10602.

Report is contained in this envelope. More well information will follow.



8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harken Title _____ Date May 26, 1969

Ronald E. Harken

Permit No. 451

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 25

ARIZONA OIL AND GAS CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 4-22-69	Well Name Hallet State #1									
Company Hallet Development		Connection	Permit No.									
Pool So. Pinta Dome		Formation Shinarump	Unit									
Completion Date 7-20-68	Total Depth 997	Plug Back TD 876	Elevation 5725 Gr.									
Farm or Lease Name Sunland Development		Well No.										
Csg. Size 4 1/2	Wt. 9.5	d 4.090	Set At 996									
Tbg. Size None	Wt.	d	Set At									
Perforations: From 812 To 874		Perforations: From To										
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas		Packer Set At None	County Navajo									
Producing Thru Csg.	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Pres. - P _a State Arizona									
L	H	Gg.	% CO ₂ % N ₂ % He									
Prover 2"		Meter Run	Taps									
0.900 Est.												
FLOW DATA												
NO.	Prover Line Size	X	Choke Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow	
1.	2"		1/16"	8.2					168.1	8.2	70°	1 hr.
2.												
3.												
4.												
5.												
RATE OF FLOW CALCULATIONS												
NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd					
1.	.0827		20.2	1.000	.8165		1.364					
2.												
3.												
4.												
5.												
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.						
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.						
2.					Specific Gravity Separator Gas							
3.					Specific Gravity Flowing Fluid							
4.					Critical Pressure	p.s.i.a.						
5.					Critical Temperature	R						
$P_c \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{P_c^2}{P_c^2 - P_w^2} \quad (1) \quad \frac{P_c^2}{P_c^2 - P_w^2} = \frac{P_c^2}{P_c^2 - P_w^2} \quad (2)$												
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$												
Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope _____ Slope _____												
Remarks: Calculated by David L. Collis, Checked by Ewell N. Walsh. Walsh Engineering & Production Corporation												

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Geologist of the Hallett Devel. Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date 7-20-68 Signature David L. Collis

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
 Multipoint and One Point Back Pressure Tests for Gas Well
 Form No. 15 (File two copies)



PETROLEUM ENGINEERING
RESERVOIR STUDIES
EVALUATIONS
GEOLOGICAL STUDIES

EWELL N. WALSH, P.E.
President

WALSH
ENGINEERING & PRODUCTION
CORPORATION

PETROLEUM CLUB PLAZA BUILDING
P. O. BOX 254
FARMINGTON, NEW MEXICO 87401

LEASE MANAGEMENT
CONTRACT PUMPING
DRILLING SUPERVISION
WOPKOVER SUPERVISION

TELEPHONE 325-8203

SE/4 NE/4 NE/4 NE/4 HALLET STATE #1
Sec. 28, T19N-R26E
Navajo County, Arizona

4-22-69

Took shut-in pressure with dead weight gauge - 168.1 psig. Started flow test with 2" critical flow prover with a 3/32" orifice. Orifice too large. Changed to 1/16" orifice. Pressure decreasing fast. Shut well in and took 2" prover off wellhead. It was decided by Mr. Fulton and myself to blow well and check for fluids. Well blew down to zero in 45 seconds. No show of fluid and very weak flow of gas. Shut in well and started taking 15 minute pressure readings. Well pressured to 100# in seven hours. Took samples in large sample containers. Shut well in for three more hours. Shut-in pressure 106.9 psig. Started volume test with 2" critical flow prover and 1/16" orifice. Took 2 low pressure samples at beginning of test and two more at the end of the flow test. Flowed well one hour. Press readings were taken each 15 min. Final pressure reading 8.2 psig. The pressure was still dropping at end of one hour flow. Calculated volume at end of one hr. Flow test - 1,364 cubic feet per 24 hours. Shut-in well.

#451

1.

HALLETT

Strike #1

Section 25-

NE

Time 1225

4-22-69

163.1 # 517

Start blow 9:35

Press Plate C. Temp. Est. L.L.

9:45	
10:00	
10:15	
10:30	
10:45	30.0
11:00	38.7
11:15	46.2
11:30	53.0
11:45	60.2
12:00	64.3
12:15	68.8
12:30	73.2
12:45	76.9
1:00	80.3
1:15	83.4
1:30	86.0
1:45	88.5
2:00	90.3
2:15	92.5
2:30	94.0
2:45	95.5

3/32

.1820

Started slow. Plate
to larger. Changed
plate to 1/16". Press
dropping fast. Took
press off. Blew well
to 0" in 45 sec.
S.I. well at 10:00 hrs
Took 15 min. rest

451

2

Time Press Plate C. Temp Est Vol

3:00 96.8
 3:15 98.2
 3:30 99.3
 3:45 100.7
 4:00 101.7
 4:15 102.3
 4:30 103.1
 4:45 97.7
 5:00

Caught samples in H.P. bottles

8:30 106.7 1/16 0.0827
 8:45 47.5
 9:00 27.7
 9:15 13.0
 9:30 8.2

Started volume tests with 1/16 plate in press

1.364 MCF/D
 Caught low pressure samples

70°

451

WELL SITE CHECK

By JRF
Date April 22, '69

Contractor _____	Person(s) Contacted <u>Jim Fulton, Dave Collis</u>
Spud date _____	Present Operations <u>Testing</u>
Type Rig _____ Rotary Cable _____	Drilling with Air _____ Mud _____
Samples _____	Size Hole _____
Pipe _____	Size Drill Pipe _____
Water Zones _____	Type Bit _____
Lost Circ. Zones _____	No. Bit _____ Drilling Rate _____
Formation Tops _____	Formation _____
Cores, Logs, DST _____	Lithology _____
Crews _____	

REMARKS, PHOTO, MAP

Conducted series of shut-in and flow tests to determine feasibility of producing this well. Initial pressure approx. 168 #.

(Complete set of data plus engineer's report will be sent to Commission by Dave Collis, Farmington engineer.

Well had a good blow non-flammable gas.

WELL NAME 457

Permit No. _____
Confidential: Yes No

X-Chrono Log

MEMO TO: FILE
FROM : JOHN BANNISTER

4-7-69

RE: Hallett #1 State 10603
Our File #449 X

Hallett #1 State 10602
Our File #451

Mr. Jimmy Fulton was in the office this date. He indicates that he plans to test these wells on April the 22nd or 23rd. He will let us know in time to have Mr. Scurlock present to witness these tests. Mr. Fulton indicated that a probable deal was pending whereby Arizona Helium Corporation would take the gas from these wells. Mr. Fulton will attempt to secure the services of Ewell N. Walsh, Farmington, to perform these tests.

JB

25 451

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Hallett Development Company

2. OIL WELL GAS WELL OTHER (Specify) Wildcats

3. Well Name Hallett #1 State 10602 and Hallett #1 State 10603
 Location 8 Miles South of Navajo, Arizona
 Sec. 28 and 36 Twp. T19N Rge. R26E County Apache Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease State leases

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

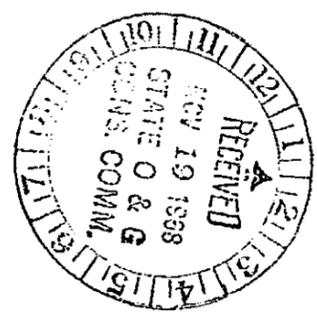
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Status report</u>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well status is unchanged and remains on temporary abandoned status. No work has been accomplished on either well since last report.

94



8. I hereby certify that the foregoing is true and correct

Signed Ronald E. Parker

Title Geologist

Date 31 March 1969
15 NOVEMBER 68

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Permit No. 449 + 451

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Hallett Development Company
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hallett #1 State 10602 and Hallett #1 State 10603
 Location 8 mi south Navajo Arizona
 Sec. Sec. 28 & Sec. 36 Twp. T19N Rgc. R26E County Apache Arizona
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State lease 10602 Permit 451 and
State lease 10603 Permit 449
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Temporary Abandonment</u>		(OTHER) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please maintain both of the above named wells on temporary abandoned status.
 We will notify you as soon as we intend to attempt further work. thank you
 very much



8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Tucker Title GEOLOGIST Date 26 Oct 68
9 SEPTEMBER 68

Permit No. 451

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Hallett Development Company
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hallett State # 1
 Location 8 miles South Navajo, Arizona
 Sec. 28 Twp. 19N Rge. 26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease State Lease
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

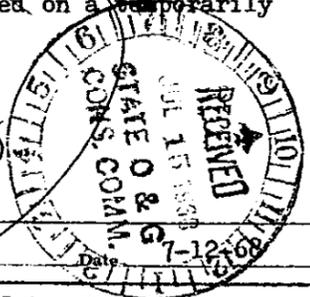
Well was reopened on 26 June 1968 and casing was cleaned out. Two perforations were performed. One, a three way directional shot, was placed at 874' and another, a 1" "Bear Shot" was placed at 872' on 1 July, 1968. Some gas bubbles were in evidence. On 2 July 1968 the well was acidized from 800' to 879' with 1000 gallons of 15% HCL. Channeling was evidenced between perforations. Some acid was returned through the annulus from perforations at the 750' zone. Hole was closed in on July 2, 1968 and shut down for the 4th of July Holiday.

The hole was reopened on the 8th of July at which time swabbing began. Swabbing continued until 3:00 PM July 9th at which time gas was evident. Hole was then capped and pressure was allowed to build for 24 hours. At the end of this period the well was again uncapped and the packer and tubing were pulled. Well was once again capped. It was decided to close in the well at this point and to start a new well in section 26-19-26. It was felt that the information gained in drilling the new well in section 26 may help in the final completion of this well. It is presently the plan to put this well on a temporarily abandoned status until the section 26 well is drilled. At that time present plans are to reopen this well and cement and squeeze it, re-perforate the producing zone, and frack and complete the well.

It is here by formally requested that this well be placed on a temporarily abandoned status until such time as completion is attempted.

8. I hereby certify that the foregoing is true and correct.

Signed Ronald E. Harker Title Geologist Date 7-15-68



37 451
 Permit No. _____

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

Hallett #1 State 10602
Sec 28—
451

2:00 pm.
7-1-68

Fulton telephoned from Navajo -

Resuming operations this afternoon.

To perforate, free, and shut-down -

Will send in resume of plans
and any results -

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

May 10, 1968

PLEASE REPLY TO:

Hallett Construction Co.
Post Office Box 296
Marion, Kansas

Mr. John Bannister
The Oil & Gas Conservation Commission
State of Arizona
1624 W. Adams Street
Suite 202
Phoenix, Arizona

Dear Mr. Bannister:

Hallett State # 1 in Section 28, Township 19 N, Range 26 E. was temporarily closed in on April 26, 1968 for 24 hours to await anticipated gas buildup. Gas pressure did build up and it was decided that casing should be set on the hole. It was also decided that to prevent needless casing use and to prevent interference from the salt water in the coconino sandstone that the open hole should be cemented back to 888 feet. This was accomplished on the 27th. of April 68. Cement was allowed to dry and hole depth checked at 880 feet. Next 380 feet of 4½ inch 9.5 lbs. casing was set and cemented on the 29th. of April 1968. Cement was allowed to harden. Perforating began on May 1, 1968. A temperature log was also run. The top of the cement was placed at 370 feet with a bottom hole temperature of 98 degrees.

Three zones were perforated and tested. The zones ran from 736 feet to 746 feet, 772 feet to 780 feet and from 820 to 854 feet. No gas return was noted after perforating and testing each zone. 50% more cement was used in cementing the casing than would normally be anticipated and it is felt that the porous conglomerates of these zones absorbed enough cement to prevent the perforation from penetrating them completely and that this was the reason no gas return was evident after perforating.

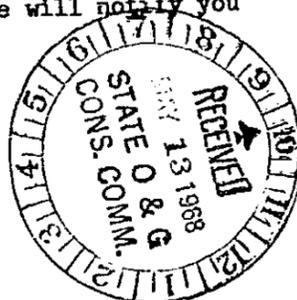
Due to prior commitments on another well to be drilled near Phoenix, our drilling contractor removed his rig after perforating and testing was completed on the 4th of May 1968. Further work on this well and the first well will be resumed on approximately June 1, 1968. We will notify you before we resume operations.

Thank you very much.

Sincerely yours,

Ronald E. Harken
Ronald E. Harken,
Geologist

451



From the Desk of

JAMES R. SCURLOCK

Telephone May 6, 1968
Jimmy Fulton

Set 109' Cement plug in bottom (28 sacks)
PBD 888'

~~XXXXXXXXXXXXXXXXXXXX~~

DST Shinarump 82--830

Shut in over night (about 10 hours) ~~RM~~.

Flowed gas (5.23% Helium)

Ran 4 1/2 " to 888' w/98 sx.

Ran temp ~~RM~~ log. top cement 370'

Perf. Shin and Chime Conglomerate

m 736-46

772-80

820-26

also perf. 1 shot: @ 826'

822'

849.5

Dst 820-30 (Shinarump)

Open about ~~RM~~ 3 hrs.

Shut in: small return of gas.

slight press. build-up

Perf. 810-820

828-44

847-70

Swabbed dry

Shut in for press. build up. (on May 3rd.)

#####

From the Desk of

JAMES R. SCURLOCK

7.30.68

Telephone Jim Fulton

Waiting for Weter. Prep to
perf.

TD 997 PB 888

Top Coconino 992

Set 4 1/2 @ 888 w/100 SX

Will perf Shinarump
and Chimle sd.

April 26, 1968

Telcon
Ron Harkins, Geologist, Hallett Development

Re: #1 State 10602
Permit 451

Spudded at new location on Friday, April 19, 1968 @ 1:00 p.m.

Greer Engineering tells him they mailed copies of plat of new location to Commission on 4-16-68. Will get copy to us.

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

PLEASE REPLY TO:

25 April 68



Box 296
MARION, KANSAS

MR John Bannister
Oil and Gas Conservation Comm.
1624 West Adams, Suite 202
Phoenix, Arizona 85007

Dear Mr. Bannister:

Hallett State #1 in Section 28, T19N, R26E was spudded in at 1:00 P.M. on Friday April 18, 1968. 40 feet of 8" Surface Casing was set and cemented and drilling progressed after cement had set. Drilling continued without incident until Sunday 21 April 68 at which time 982' of hole had been drilled. At this juncture it was decided to drill a 2 1/8" core for 10' (982-992). This was completed on this date. It was decided that another core was necessary and this the #2 core was pulled on 22 April 68 from a depth of 992' (997'). The second core struck the Coconino Sandstone at a depth of 992.6' and showed a porous white to buff med-grained Sandstone. A drill stem test was then run on 23 April 68 from 992.6'-997'. On the second swab from the bottom salt water was brought up with no show of gas. Fluid level rose to within 350' of the top of the hole. Packer was then pulled and hole was conditioned to log. Logging was completed at 9:30 PM 24 April 68. A straddle packer was then set to test the Shinarump Conglomerate from 807' to 888' on April 25, 1968. This test produced a show of gas. This brings you up to date on the hole.

It is anticipated that it will be necessary to cement off that portion of the open hole from 888' to 997' to seal the hole off from

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company

General Contractors

HOME OFFICE
CROSBY, MINNESOTA

PLEASE REPLY TO:

(2)

The salt water encountered in the Cocorino Sandstone. We hope to accomplish this on the 27 or 28 April 68. If it is decided that the gas show was enough to warrant casing, casing will be set on the 28 or 29 April 68.

We will keep you advised on these dates and any change in plans.

We are still awaiting the arrival of the small rig with which to complete Hallett State #1 in Sec. 36-19-26. We will keep you advised on this hole also.

Thank you very much

Sincerely yours
Hallett Const. Co.

Bob Jackson, Geologist

From the Desk of

J. R. SCURLOCK 4.8.68

Telephone - Jimmie Fulton

Waiting to BUILD ROAD
into location. HAVE about a
mile to BLADE. IS TALKING
WITH A MR. McDONALD AT
SANDERS WHO HAS CAT #7 -
will cost approx \$28⁰⁰ per
hour. TAKE (est.) 1-1/2
days to blade Road.

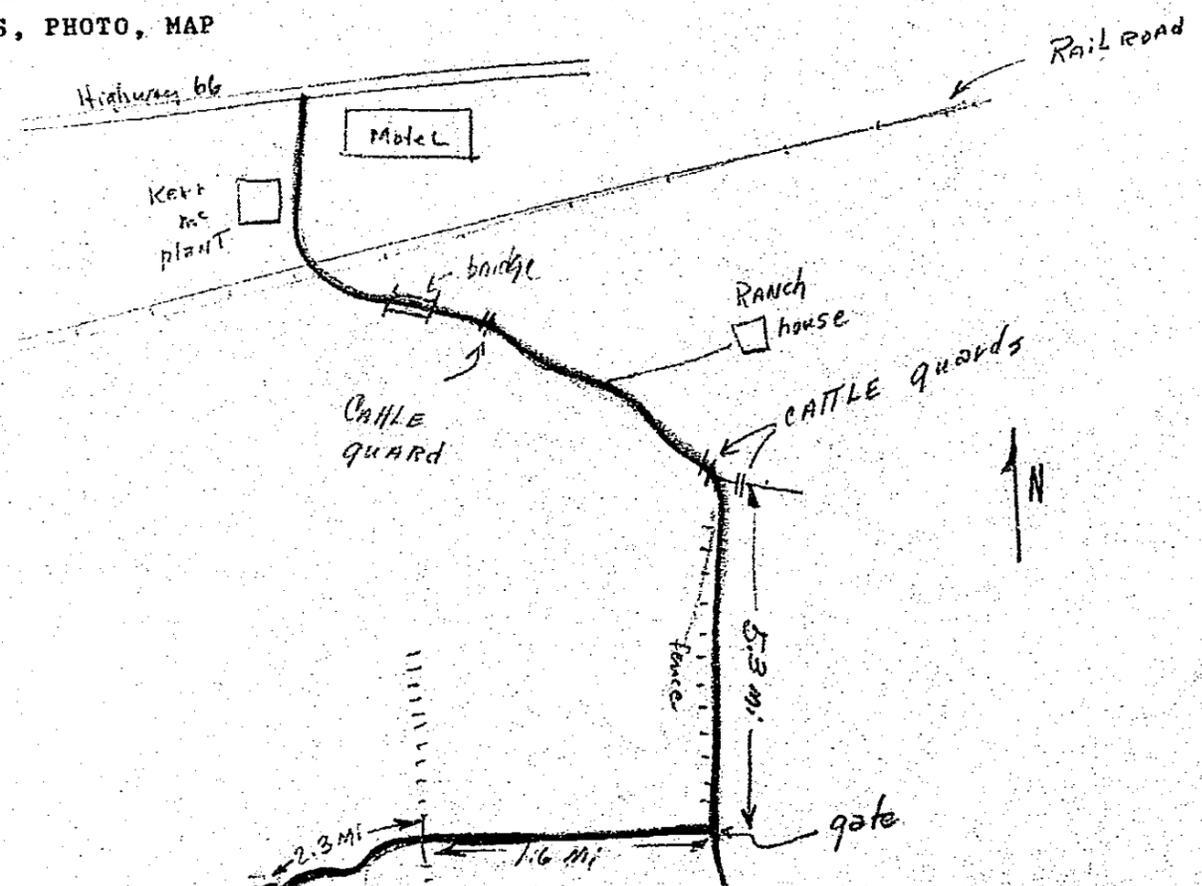
#

WELL SITE CHECK

Contractor WHERT Person(s) Contacted WHERT By JRS
 Date 3-26-68
 Spud date _____
 Type Rig _____ Rotary Cable
 Present Operations Moving in
ROTARY
 Drilling with Air _____ Mud
 Size Hole _____
 Size Drill Pipe _____
 Type Bit _____
 No. Bit _____ Drilling Rate _____
 Formation _____
 Lithology _____
 Crews living on location



REMARKS, PHOTO, MAP



WELL NAME HALLEL #1 STATE 10602 Permit No. 451
 Confidential: Yes No

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

Hallett Development Company
NAME OF COMPANY OR OPERATOR

Crosby , *Minnesota*
Address City State

T. C. Wheat Drilling Contr.
Drilling Contractor
P.O. Box 760, Glendale, Arizona
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor <i>STATE LEASE 10602</i>	Well number <i>#1</i>	Elevation (ground) <i>5730 ±</i>
Nearest distance from proposed location to property or lease line: <i>per plat 100' FROM EAST</i> <i>215' FROM NORTH</i> feet	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: <i>5280</i> feet	
Number of acres in lease: <i>2165</i> <i>690</i>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <i>1 NE 28</i>	

If lease, purchased with one or more wells drilled, from whom purchased: Name Address

Well location (give footage from section lines) <i>700' FROM E. 2150' FROM N.</i>	Section—township—range or block and survey <i>28 T19N R26E</i>	Dedication, (Comply with Rule 105) <i>E/2 NE/4 28-19-26</i>
Field and reservoir (if wildcat, so state) <i>WILDCAT</i>	County <i>APACHE</i>	

Distance, in miles, and direction from nearest town or post office
8 mi SOUTH & 3 MILES WEST OF NAVATO

Proposed depth: <i>1400'</i>	Rotary or cable tools <i>ROTARY</i>	Approx. date work will start <i>18 APRIL 68</i>
---------------------------------	--	--

Bond Status <i>ON FILE</i>	Organization Report On file <input checked="" type="checkbox"/> Or attached	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>
-------------------------------	--	---

Remarks:
Change of location

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the *Partner* of the *Hallett Development Company* (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

A. C. Jensen
Signature
18 APRIL 68
Date

Subject to Receipt of plat

Permit Number: *451*
Approval Date: *4-22-68*
Approved By: *John Bannister*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

RECEIVED
APR 15 1968
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name <u>A. C. Jensen</u></p> <p>Position <u>Partner</u></p> <p>Company <u>Hallett Development Co.</u></p> <p>Date <u>18 April 68</u></p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9 5/8"	30#	J-55	0	40'	SURFACE TO 40'	55x



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: HALLETT DEVELOPMENT COMPANY
(OPERATOR)

to drill a well to be known as

HALLETT #1 STATE 10602

located 2168' ^(WELL NAME) 703.2 SE
~~2640 FNL~~ and ~~2658 FEL~~ (SW/4NE/4) *JB*

Section 28 Township 19N Range 26E, Apache County, Arizona.

The E/2 of NE/4 of said

Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 25th day of January, 19 68.

OIL AND GAS CONSERVATION COMMISSION

By John Banister
EXECUTIVE SECRETARY

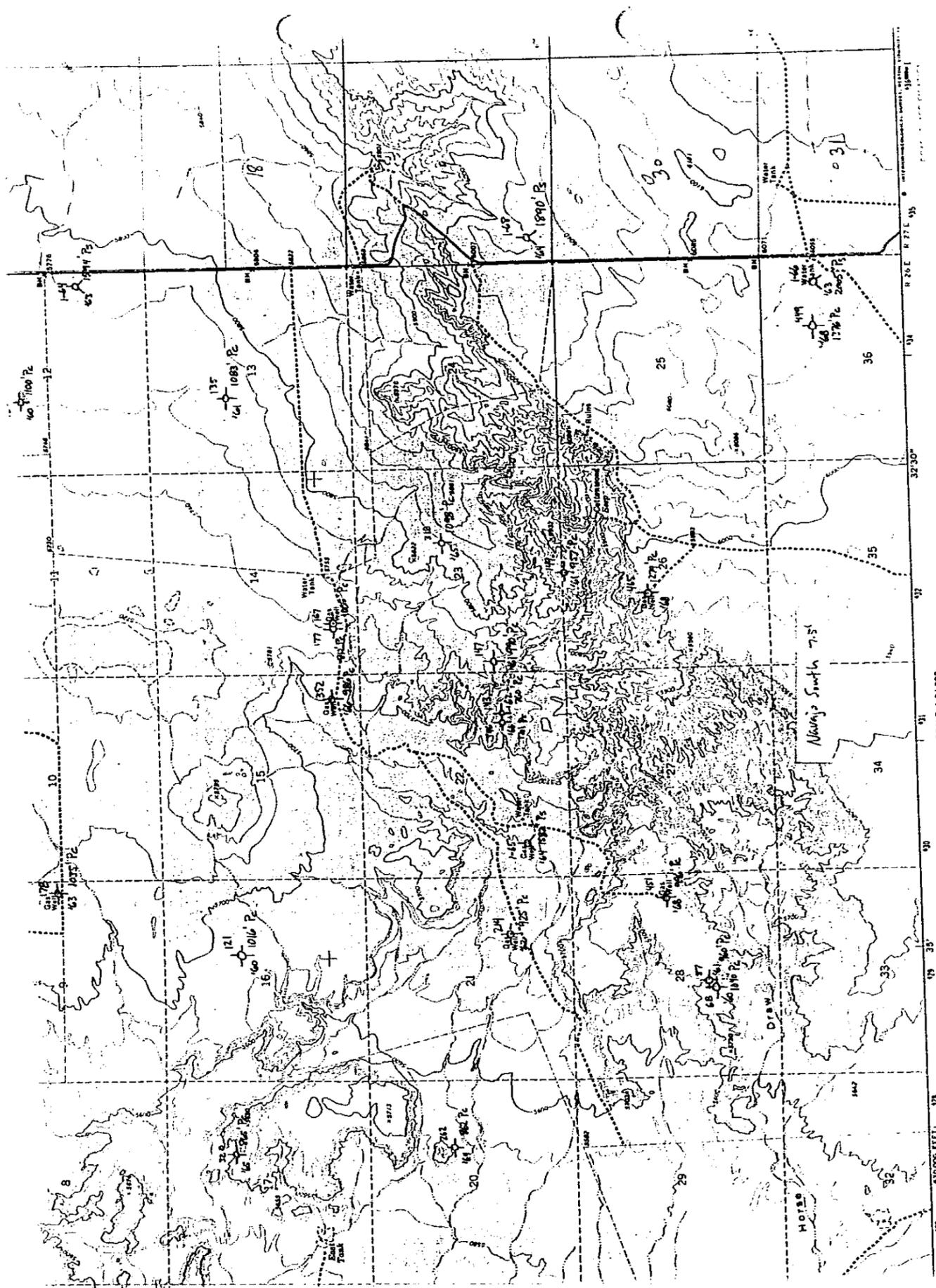
PERMIT N^o 451

RECEIPT NO. 9535
API No. 02-001-20073

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

"Forms-when to file" attached



SCALE 1:25,000

The Gannett Company

Rocky Mountain Well Log Service Co.

1753 Champa Street

DENVER, COLORADO

266-0588 Area Code 303

80202

BOB ANDREWS, Division Manager



CASPER, WYOMING

Bob Fitzgerald
600 So. David
234-6921

June 30, 1971

MIDLAND, TEXAS

David Clark
105 West Wall
MU 2-0591

Mr. W.E. Allen
Oil & Gas Conservation Commission
State of Arizona
4515 North 7th Avenue
Phoenix, Arizona 85013

Dear Mr. Allen:

Thank you for your courtesy and cooperation in loaning us the prints on the enclosed wells. Under separate cover I will be sending you the prints on the following wells:

Eastern Petroleum Company # 1-16 Santa Fe Fee
Hallett Development Company # 1 State 10602
Hallett Development # 2 State 10603

You can be expecting these within the next week.

Again, Thank you,

Very truly yours,

Ted Strickland

TLS:tjs
Enc./ 9

RECEIVED

JUL 1 1971

O & G CONS. COMM.

451



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

June 18, 1971

Mr. Ted Strickland
Rocky Mountain Well Log Service Company
1753 Champa Street
Denver, Colorado 80202

Dear Mr. Strickland:

In response to your request letter dated June 15, 1971 we are sorry to report that we have no logs on the Coffey Drilling Company #10 Keams Canyon, the Coffey Drilling #2 Keams Canyon, and the Scott Brothers #1 Well. We are, however, enclosing under separate cover the logs on the following wells that we do have available.

Eastern Petroleum Company #1-16 Santa Fe Fee
Our File #543

Induction-Electrical Log
Cement Bond Log & Gamma Ray
Rob's Well Log
Log by Robert E. Lauth

Hallett Development Company #1 State 10602
Our File #451

Gamma-Collar Perforation Record
Temperature Log
Electrical Log

Hallett Development Company #2 State 10603
Our File #465

Electrical Log

El Paso Natural Gas #1 Red Lake
Our File #542

Compensated Formation Density Log
3-Dimensional Velocity Log
Caliper Log
Density Log
Borehole Compensated Sonic Log - Gamma Ray

451

Page 2
June 18, 1971
Mr. Ted Strickland

El Paso Natural Gas #1 Red Lake (Cont.)
Temperature Log
Sidewall Neutron Porosity Log
Induction-Electrical Log
Four-Arm High Resolution Continuous Dipmeter

We will appreciate the return of these logs at your earliest convenience.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA:jd
Enc. Under Separate Cover (2)

451

Rocky Mountain Well Log Service Co.

1753 Champa Street

266-0588 Area Code 303

DENVER, COLORADO

80202

BOB ANDREWS, Division Manager



CASPER, WYOMING

Bob Fitzgerald
600 SOUTH DAVID
PHONE 234-6921

June 15, 1971

MIDLAND, TEXAS

David Clark
105 WEST WALL
PHONE 682-0591

Mr. W. E. Allen
Arizona Oil & Gas Conservation
4515 N. 7th Avenue
Phoenix, Arizona 85013

Dear Mr. Allen:

Enclosed is a list of seven logs, I would like to borrow from you. We will return these prints immediately upon the completion of the reproduction process.

Thank you very much for your cooperation

Very truly yours,

A handwritten signature in cursive script that reads "Ted Strickland".

Ted Strickland

TS:rt

451

RECEIVED

JUN 17 1971

O & G CONS. COMM.

LOGS

W.C. Coffey Drilling Company	# 10 Keams Canyon	13-28N-19E	Navajo
W.C. Coffey Drilling Company	# 2 Keams Canyon	13-28N-19E	Navajo
513 Eastern Petroleum Company	# 1-26 Santa Fe-Free	26-20N-27E	Apache
471 Hallett Development Company	# 1 State 10602	26-19N-26E	Apache
465 Hallett Development Company	# 2 State 10603	26-19N-26E	Apache
405 Scott Brothers	# 1 Well	5-14N-22E	Navajo
5-2 El Paso Natural Gas	# 1 Red Lake	22-26N-19W	Mohave

451

RECEIVED

JUN 17 1971

O & G CONS. CORP.



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7th AVE.
PHOENIX, AZ. 85018

Phoenix, Arizona 85007

PHONE: 271-5161

December 18, 1970

Mr. R. A. Hill
Fidelity and Surety Department
The St. Paul Insurance Companies
St. Paul Service Center
P. O. Box 3470
St. Paul, Minnesota 55101

Re: Hallett #1 State 10603
NE/4 NE/4 Sec. 36-T19N-R26E
Apache County
Our File #449

Hallett #1 State 10602
SE/4 NE/4 Sec. 28-T19N-R26E
Apache County
Our File #451

Hallett #2 State 10503
SE/4 NW/4 Sec. 26-T19N-R26E
Apache County
Our File #450

Hallett #2 State 10603
SE/4 NW/4 Sec. 26-T19N-R26E
Apache County
Our File #465

St. Paul Fire and Marine Insurance Company Bond #400BT5019-\$15,000

Dear Mr. Hill:

Records of this office indicate that on 12-18-70 the Hallett Development Company fulfilled their obligations to the State of Arizona as to the requirements pertaining to the captioned wells. We authorize termination of the subject bond effective this date.

Very truly yours,

W. E. Allen, Director
Enforcement Section

jd
cc: Hallett Development Company

451



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.
PHOENIX, AZ. 85018
Phoenix, Arizona 85007

PHONE: 271-5161

December 18, 1970

Mr. R. A. Hill
Fidelity and Surety Department
The St. Paul Insurance Companies
St. Paul Service Center
P. O. Box 3470
St. Paul, Minnesota 55101

Re: Hallett #1 State 10603
NE/4 NE/4 Sec. 36-T19N-R26E
Apache County
Our File #449

Hallett #1 State 10602
SE/4 NE/4 Sec. 28-T19N-R26E
Apache County
Our File #451

Hallett #2 State 10503
SE/4 NW/4 Sec. 26-T19N-R26E
Apache County
Our File #450

Hallett #2 State 10603
SE/4 NW/4 Sec. 26-T19N-R26E
Apache County
Our File #465

St. Paul Fire and Marine Insurance Company Bond #400BT5019-\$15,000

Dear Mr. Hill:

Records of this office indicate that on 12-18-70 the Hallett Development Company fulfilled their obligations to the State of Arizona as to the requirements pertaining to the captioned wells. We authorize termination of the subject bond effective this date.

Very truly yours,

W. E. Allen, Director
Enforcement Section

jd
cc: Hallett Development Company

451

**THE ST. PAUL
INSURANCE COMPANIES**



Serving you around the world around the clock

ST. PAUL SERVICE CENTER
P. O. BOX 3470
ST. PAUL, MINNESOTA 55101
PHONE: (612) 222-7751

December 11, 1970

Mr. John Brancisco, Executive Secretary
Oil and Gas Conservation Commission
Suite of Arizona Room 202
1504 West Adams
Phoenix, Arizona 85007

Re: Williams Development Company and Partnership
Bond No. 40098 5010
Oil Well Drilling Bond

Dear Mr. Brancisco:

Our principal under the captioned bond has requested that we apply for a release under this bond. We are advised that there will be no additional drilling and that all wells have been plugged.

We would appreciate your advice whether our liability is terminated so that our file can be closed.

Yours very truly,

R. Hill
R. HILL, Underwriter
Policy and Surety Department

RM:wa

to release

RECEIVED

DEC 18 1970

O & G CONS. CO.

Operator HALLETT DEVELOPMENT COMPANY

Bond Company St Paul Fire & Marine Ins. Co. Amount \$15,000

Bond No. 400 BT 5019 Date Approved 1-25-68

Permits covered by this bond:

- 449 OK
- 450 → never drilled
- 451 OK
- 465 ← re-issued O.K.

see file
A-419 for
original
bond.

June 23, 1970

Mr. James T. Fulton
2714 East Willetta
Phoenix, Arizona

Re: Hallett #1 State 10603
NW/4 NE/4 Sec. 36-T19N-R26E
Apache County
Our File #449

Dear Jimmy:

On May 27, 1970, we wrote you advising that we needed the Well Completion Report for the captioned well. Apparently, we did not make ourselves clear inasmuch as we have been furnished only the information on the Hallett State #1 10602. At your earliest convenience will you please send us a Well Completion Form for the captioned well. Your cooperation will be appreciated.

Sincerely,

John Bannister
Executive Secretary

JB:jd
cc: Mr. Ronald Harken
Ebc.

451

May 27, 1970

Mr. James T. Fulton
2714 East Willetta
Phoenix, Arizona

Re: Hallett #1 State 10602
SE/4 NE/4 Sec. 28-19N-26E
Apache County
Our File #451

Hallett #1 State 10603
NE/4 NE/4 Sec. 36-19N-26E
Apache County
Our File #449

Dear Mr. Fulton:

We have written several letters to Mr. Ronald Harken requesting reports and information required by the Oil & Gas Conservation Commission's Rules and Regulations. The only information we must receive to complete our files is the report on the Section 28 well which Mr. Harken promised to send, and a Completion Report. We have sent Mr. Harken several blank completion forms and would appreciate it if you would see to it that these forms are completed and returned to us immediately. We will not be in position to release the bond until such time as these reports are submitted.

Sincerely,

John Bannister
Executive Secretary

JB:jd

cc: Mr. Ronald Harken

April 20, 1970

Mr. Ronald Harken
Hallett Development Company
Box 13
Boons, Iowa

Re: Hallett #1 State 10602 Hallett #1 State 10603
SE/4 NE/4 Sec. 28-T19N-R26E NW/4 NE/4 Sec. 38-T19N-R26E
Apache County Apache County
Our File #451 Our File #449

Dear Ron:

Thanks for the plugging records. Know you are busy up to here as you always are, but there is still the matter of the completion reports on these wells which really is the most important instrument as far as our records go because, of course, they comprise in effect a summary of the well history including cores, tests, size hole, casing, setting, and so forth, as you will see on the form. Thank you for your cooperation. Hurry back to Arizona.

Yours truly,

James Scurlock
Geologist

JS:jd
Enc.

P. S. Incidentally, we are having a big lease play across southern Arizona at the moment. Over a million acres taken in State and Federal leases in the last couple of weeks. Now if we can only find some oil.

Form 5

INTER-OFFICE CORRESPONDENCE

TO Jim Scurlock
FROM Ron Harken, Hallett Development Co. DATE April 14, 1970
SUBJECT Helium Wells

I'm late as usual Jim. Here are the plugging records on the two wells left.
I don't have a copy of the report I promised to send you on the Section 28 well but have written our home office for a copy and will pass it on as soon as I receive it.

I believe this completes the wells. If there is more let me know.



451

April 7, 1970

Mr. Ronald E. Harken
Box 13
Boone, Iowa

Re: Hallett #1 State 10602
SE/4 NE/4 Sec. 28-T19N-R26E
Apache County
Our File #451

Hallett #1 State 10603
NW/4 NE/4 Sec. 36-T19N-R26E
Apache County
Our File #449

Dear Mr. Harken:

In a letter to you dated February 6, 1970, we asked for completion reports, plugging records, and other various information on the subject wells. In a telephone conversation with Jim Fulton on March 6, we were informed that you would submit these forms within a short time. We do not want to have to go to the bonding company to bring about a compliance so please get this information in as soon as possible.

Sincerely,

John Bannister
Executive Secretary

jd

February 6, 1970

Mr. Ronald E. Harken
Box 13
Boone, Iowa

Re: Hallett #1 State 10602
SE/4 NE/4 Sec. 28-19N-26E
Apache County
Permit #451

Hallett #1 State 10603
NE/4 NE/4 Sec. 36-19N-26E
Apache County
Permit #449

Dear Ron:

Your plugging program sounds good, however, we need a completion report from you and a plugging record on each well. Would you please give us a complete report on these enclosed forms including whether or not cores were taken and if they were a core description, drill stem tests, formation tops, and so forth. We will also appreciate receiving the report mentioned in your letter of January 31, 1970.

Sincerely,

James Scurlock
Geologist

JS:jd

Enc.

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

PLEASE REPLY TO:
AGGREGATE DIV.
BOX 13
BOONE, IOWA 50036

31 January 70

Mr. John Bannister
Arizona Oil And Gas Commission
Phoenix, Arizona 85007

Dear Mr. Bannister:

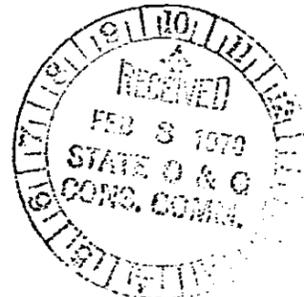
Enclosed are two applications to plug and abandon our two wells in Apache county. We have no idea what is going to happen as far as Arizona Helium is concerned, our talks with them have given little result. We don't particularly want to plug the holes, but under the circumstances we feel it is probably the best alternative. We are going to keep after them but feel it will be a long process with questionable results.

We have not set a definite date for plugging, but will do so as soon as we hear from Tom Wheat and then will notify you. Hope you find the applications in order. Jim Fulton tells me you do not have a well completion form on the Section 36 well. Please send me a couple of blank forms and I will complete the process. I will also at that time send the report you requested.

Thanks again for everything.

Sincerely yours

Ronald E. Harken, Geologist
HALLETT DEVELOPEMENT CO.





OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

ROOM 202

1624 WEST ADAMS

Phoenix, Arizona 85007

PHONE: 271-5161

January 22, 1970

Hallett Construction Company
Crosby, Minnesota

Attention: Mr. J. W. Meng, Controller

Re: Hallett #1 State 10603
Permit 449

Hallett #2 State 10603
Permit 450 465

Hallett #1 State 10602
Permit 451

Gentlemen:

You requested information concerning bonding requirements on the captioned wells in the event you should plug and abandon.

Please be advised that as soon as the wells covered by Bond No. 400 BT 50 19 are properly plugged and abandoned and all other requirements of this Commission have been met, the above-identified bond may then be cancelled. As you are aware, a well bond, once filed with this Commission, may be released only upon authority of this Commission. We realize that bonding expenses can be a burden and it is our policy to release each bond as soon as we are able.

Should you desire any further information, please advise.

Sincerely,

John Bannister
Executive Secretary

JB/vb

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES

GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE



MINNESOTA PLANTS:

ST. PETER
BRIMMON
DETROIT LAKES
FRONTENAC
HENDERSON
LIVERNE
MANKATO
MONTEVIDEO

KANSAS:

LITTLE RIVER
MARION
WAKEFIELD
WUDBRINE

IOWA PLANTS:

BOONE
AMES
ASHTON
CHEROKEE
CLEMONS
DES MOINES
GENEVA
GILMORE CITY
LAKE VIEW
MARENGO
SHEMANNDAH
SOUTH DAKOTA:
WATERTOWN
MISSOURI:
BETHANY

Hallett Construction Company
Crosby, Minnesota

January 19, 1970

Mr. John Bannister, Exec. Sec.
Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Dear Sir:

Please refer to Permit Nos. 449, 450 and 451 and Oil Drilling Well Bond
No. 400 BT 50 19 issued in favor of Hallett Development Company.

What would be the bonding requirements, if any, should these wells be
capped?

Very truly yours,

HALLETT CONSTRUCTION COMPANY

J. W. Meng
J. W. Meng
Controller

JWM:njr

answered
1-22-70
JW



451

f-Chion
x-449

January 16, 1970

Mr. Ronald E. Harken
Hallett Development Company
Box 13
Boone, Iowa 50036

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County
Permit #449

Dear Mr. Harken:

Temporary abandoned status expired on January 1, 1970, for the captioned wells. Please advise this office immediately of your intentions for these wells. If we do not hear from you by January 30 we will have to demand that the wells be plugged.

Also, on June 4, 1969, we received a photocopy of a well information sheet from you on the Hallett #1 State 10602, Permit #451. On this sheet Item 5 states: "A written report intended for company use only is available on these wells. It is confidential, but I will send it to you if you deem necessary". In our letter of June 4, 1969, Mr. James Lambert informed you that at the end of 1969 this office would request a copy of the written report. We now ask that you send us a copy of this report as soon as possible.

Sincerely,

John Bannister
Executive Secretary

jd
cc: Mr. James Fulton

x - Chrono

October 20, 1969

Mr. Ron Harken, Geologist
Hallett Development Company
Box 13
Boone, Iowa 50036

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County
Permit #449 x

Dear Mr. Harken:

Authorization from this Commission is hereby granted to continue these wells in a temporary abandoned status. This status will expire January 1, 1970. We will require our Form 25 to be submitted on October 31, November 30, and December 31, 1969, advising us of intentions or actions during the period subsequent to September 30 when you submitted your September report.

Yours truly,

John Bannister
Executive Secretary

jf

451

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES

GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE



Hallett Construction Company

General Contractors

HOME OFFICE
CROSBY, MINNESOTA

PLEASE REPLY TO:

October 15, 1969

Box 13
Boone, Iowa 50036

Mr. John Bannister
Oil and Gas Conservation Commission
State of Arizona Room 202
1624 West Adams
Phoenix, Arizona 85007

RE: Hallett # 1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit # 451

Hallett # 1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit # 449

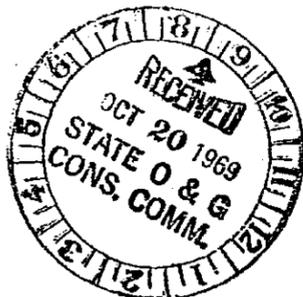
Dear Mr. Bannister:

Our negotiations have at this point not yet been successful, but we would hope to have them consummated within the next 60 days. With this in mind we would like to request a 60 day time extension on the temporary abandoned status for Hallett # 1 State 10603 and Hallett # 1 State 10602 both in Apache County, Arizona.

If negotiations are unsuccessful at the end of this period we will then plug the wells back and request the proper status.

Sincerely yours,

Ron Harken
Ron Harken: Geologist
HALLETT DEVELOPMENT COMPANY



RH:mma

451

X-Chrono
Lambert

September 17, 1969

Mr. Ronald Harken
P. O. Box 296
Marion, Kansas 66061

Re: Hallett #1 State 10602	Hallett #1 State 10603
T19N, R26E, G & SRM	T19N, R26E, G & SRM
Sec. 28: 3E/4 NE/4	Sec. 36: NE/4 NE/4
Apache County	Apache County
Permit #451	Permit #449 X

Dear Mr. Harken:

Today is the 17th of September and we have not received the Forms 25 to cover the activities on the captioned wells during the month of August, 1969. Please give this your immediate attention.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

cc: James T. Fulton

451

September 5, 1969

Mr. Ronald Harken
P.O. Box 296
Marion, Kansas 66861

Re: Hallett #1 State 10602
T19N, R26E, G&SRM
Sec. 28: SE/4 NE/4
Apache County
Permit #451

Hallett #1 State 10603
T19N, R26E, G&SRM
Sec. 36: NE/4 NE/4
Apache County
Permit #449

Dear Mr. Harken:

Please advise us when we may expect the Form 25 that will inform this Commission of the activities that took place on each of the captioned wells during the month of August, 1969. Our letter to you dated August 26th made it very clear that to continue these wells in a temporary abandoned status it was incumbent upon you to make a report of any activities or any intention of activity during each monthly period.

This Commission has done their best to cooperate with you in all respects. Please conform to the rules and regulations published by the State of Arizona that control the drilling and production activities of wells.

Yours truly,

James A. Lambert
Administrative Assistant

/vb

cc - James T. Fulton

X-CHUBNO
X-LAMBERT

August 21, 1969

Mr. James T. Fulton
Sunland Development Company
2714 East Willetta
Phoenix, Arizona

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County
Permit #451

Dear Mr. Fulton:

Authorization from this Commission is hereby granted to continue this well in a temporary abandoned status. This status will expire October 14, 1969. We will require our Form 25 to be submitted on August 30 and September 30, 1969, advising us of intentions or actions during the period subsequent to August when you submitted your July report.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

451

SUNLAND DEVELOPMENT COMPANY

(AN ARIZONA CORPORATION)

2714 E. Willetta

~~2714 E. Willetta~~
PHOENIX, ARIZONA

BUSINESS OFFICE
TELEPHONE ~~275-51309~~
275-51309

August 17, 1969

Oil and Gas Conservation Commission of Arizona
Room 202
1624 W. Adams
Phoenix, Arizona 85007

Mr. John Bannister
Executive Secretary

Re: Hallett #1 State 10602
T19N, R26, G & SRM
Sec. 28: SE/4 NW/4
Apache County
Permit #451

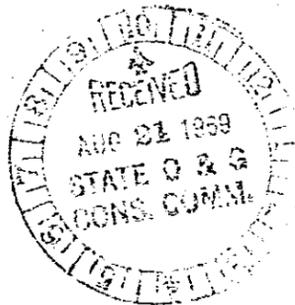
Dear Mr. Bannister:

4
We respectfully request a 60 day extension on a temporary
abandon status for the above mentioned well.

Yours truly,

James T. Fulton
James T. Fulton
President

JTF:vbf



X-Lambert
X-Chano

June 4, 1969

Mr. Ronald E. Harken
Box 13
Boone, Iowa 50036

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28; SE/4 NE/4
Apache County
Permit #451

Dear Mr. Harken:

By letter dated May 14, 1969, the Commission granted a temporary abandoned status to the captioned well, that status to expire August 15, 1969. Unimportant administrative details caused me to ask that you consider carrying the well in a shut-in status.

Thanks for the photocopy information sheet you supplied this date. At the end of the 1969 calendar year this office will ask you to provide us a copy of the written report that you mentioned as Item 5.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

451

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES

GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE



Hallett Construction Company
Crosby, Minnesota

MINNESOTA PLANTS:
ST. PETER
BRIMSON
DETROIT LAKES
FRONTENAC
HENDERSON
LIVERNE
MANKATO
MONTEVIDEO

KANSAS:
LITTLE RIVER
MARION
WAKEFIELD
WOODBINE

IOWA PLANTS:
BOONE
AMES
ASHTON
CHEROKEE
CLEMONS
DES MOINES
GENEVA
GILMORE CITY
LAKE VIEW
MARENGO
SHENANDOAH
SOUTH DAKOTA:
WATERTOWN
MISSOURI:
BETHANY

June 1, 1969

Box 13
Boone, Iowa
50036

Mr. John Bannister
Arizona Oil and Gas Conservation Commission
1624 West Adams Room 202
Phoenix, Arizona 85007

Dear Mr. Bannister:

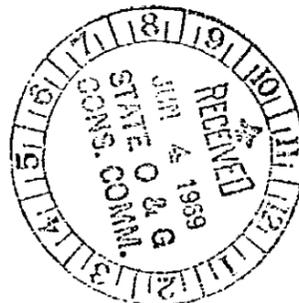
In regard to your letter of May 13, 1969 from Mr. Lambert with reference to carrying Hallett # 1 State 10602 as a shut in well. It is our feeling that we would derive no benefit from doing this. In the first place the status would be misleading. The well is not a producer at this point as the volume tests have shown. We are at present negotiating with the Arizona Helium Company, as you know, and we wouldn't want a status change to affect those negotiations.

They may feel we are trying to upgrade the well to a status it does not warrant. The additional rental to be paid may also upset our negotiation which would be detrimental to both ourselves and the state in seeing this well through to its final conclusion.

You may have reasons for your request which Mr. Lambert did not divulge in his letter that may alter our thinking. He states that the status change would be to our best interest. If there is something which we have failed to consider please let us know.

Very truly yours,

Ron Harken
Ron Harken: Geologist
HALLETT CONSTRUCTION COMPANY



451

X-Lambert
X-Chrono

May 23, 1969

Mr. Ronald E. Harken
Box 13
Boone, Iowa 50036

Re: Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NE/4 NE/4
Apache County
Permit 449 X

Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NW/4
Apache County
Permit 451

Dear Mr. Harken:

Please furnish us completed Form 25's detailing activities on the captioned wells from March 31 through April 30. This is the second request that we have made for this form. We will expect immediate compliance. We remind you that a report detailing activities from April 30 through May 31 will be expected during the first week of June.

Our letter dated May 13 conveyed the authorization from the Commission to continue these wells in the temporary abandon status. The condition attached to this authorization was that you would submit the completed Form 25's each month. Please bring yourself into compliance with the requests of the Commission.

It is the purpose of this organization to have as complete history on each well drilled in the State of Arizona as is possible. The information you supply over your signature is important to the citizens of the State of Arizona.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf
Enc.

451

X-Chloro
X-Lambert

May 14, 1969

Mr. James T. Fulton
2714 East Willetta
Phoenix, Arizona 85008

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NW/4
Apache County
Permit 451

Dear Mr. Fulton:

Authorization from this Commission is hereby granted to continue this well in a temporary abandon status. This temporary abandon status will expire August 15, 1969. We will require our Form #25 to be submitted on May 31, June 30, and July 31, 1969, advising us of intentions or actions during the period subsequent to April 30 to the date of the respective reports.

We strongly suggest that you comply with the letter we mailed you dated May 13, 1969, so that the captioned well can be carried as "shut in".

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

cc: Mr. Ronald Harken, Box 13, Boone, Iowa 50036

P. S. Please furnish this office a Form #25 detailing activities prior to April 30, 1969. We have the testing report on file. We received it on 5-12-69.

451

X-CHRONO
X-LAMBERT

May 13, 1969

Mr. James T. Fulton
2714 East Willetta
Phoenix, Arizona 85008

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NW/4
Apache County
Permit #451

Dear Mr. Fulton:

The Commission is willing to extend the temporary abandon status on this well. However, we believe that it would be to the best interests of all concerned if we were able to carry the well as a shut-in well.

Please furnish us a completed Well Completion Form (Form #4), copies of such electric logs as were made, such sample descriptions as you might have, and a copy of any core analysis reports that you might have. We would appreciate a copy of the geolograph. Such information will prove of value in the future to the State of Arizona. Should you have any reports on drill stem tests, copies would be of value to the Commission.

Please advise this office if you are willing to comply with our request at this time so that we might carry this well as a shut in well.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:mf

cc: Mr. Ronald E. Harken, Box 13, Boone, Iowa 50036

451

James T. Fulton
2714 E. Willetta
Phoenix, Arizona
85008

May 12, 1969

Arizona Oil & Gas Conservation Comm.
Att., Mr. John Bannister, Ex. Sec.

Re: Hallett # 1 State-10602
SE-NE Section 28 R-19N-T-26E

Hallett # 1 State 10603
NE-NE Section 36 R-19N-T-26E

Dear Mr. Bannister:

We request an extension of (90) ninety days, as of May 17,
1969, on a temporary basis to further test the above
mentioned wells.

Sincerely yours,

Hallett Development
Ron Harken
By - James T. Fulton

James T. Fulton

cc Ron Harken
VBF



449 4451-X

PETROLEUM ENGINEERING
RESERVOIR STUDIES
EVALUATIONS
GEOLOGICAL STUDIES

EWELL N. WALSH, P.E.
President

WALSH
ENGINEERING & PRODUCTION
CORPORATION

PETROLEUM CLUB PLAZA BUILDING
P. O. BOX 254
FARMINGTON, NEW MEXICO 87401

LEASE MANAGEMENT
CONTRACT PUMPING
DRILLING SUPERVISION
WORKOVER SUPERVISION

TELEPHONE 325-8203

May 1, 1969

Mr. Ron Harkin
Hallet Development Co.
Boone, Iowa 50036

Ref: Hallet State #1
SENE ~~NE-NE~~ Sec. 28, T19N-R26E
Navajo County, Arizona

Dear Mr. Harkin:

Enclosed you will find the information concerning the above-referred-to well obtained during the test of the well on 4-22-69. Also enclosed you will find three copies of the State of Arizona gas well testing form of which two copies should be filed with the State of Arizona Oil and Gas Conservation Commission. You will also find enclosed copies of field notes recorded during the testing of the well.

Thank you for your consideration towards this firm in testing your well. If we can be of further help to you in the future, please do not hesitate to call upon us.

Very truly yours,



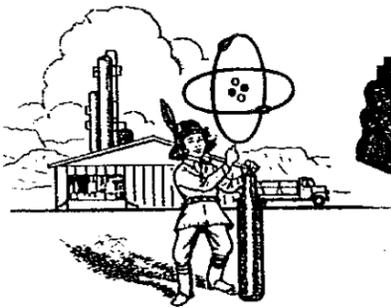
Ewell N. Walsh, P. E.
President

ENW:lc

Enclosures

cc:Mr. James T. Fulton wc/encl.
Oil Lease Consultant
2714 East Willetta
Phoenix, Arizona 85008

RECEIVED
5-12-69



A RIZONA *Helium* CORP.

P.O. BOX 14427 • PHOENIX, ARIZONA 85031

10 April 1969

44
Oil and Gas Conservation Commission
State of Arizona
1624 W. Adams, Rm. 202
Phoenix, Arizona 85007

Attn: John Bannister

Dear Mr. Bannister:

In reference to your letter dated 7 April 1969, there isn't much we can report other than we were there to look the wells over. The well in section 36 had a cap welded on the well head, therefore nothing was done. The well in section 28 had an external gauge installed so we could check the pressure within the well itself and we found it to be 200 lbs.

P.S.I.

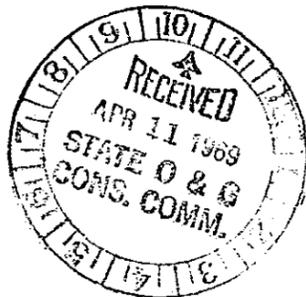
I wish there was more I could report but this was the limit of our observance.

Sincerely,

Robert B. MacTough

Robert B. MacTough
Leasing Manager

RBM:mf



449
451

X-Chrono Log
~~X-Link~~

April 7, 1969

Arizona Helium Corporation
3500 North Central
P. O. Box 14427
Phoenix, Arizona 85033

Re: Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 38: NE/4 NE/4
Apache County, Arizona
Our Permit #449 X

Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Our Permit #451

Gentlemen:

Mr. James Fulton was in this office today and indicated that you have performed certain tests upon the two captioned wells. Will you please immediately file the results of these two tests with this Commission.

Sincerely,

John Bannister
Executive Secretary

JB:jf

451

X - Chrono Log
Y - File 449
X - Lambert Log

February 17, 1969

Mr. Ronald E. Harken
Hallett Development Company
Box 206
Marion, Kansas 66861

Re: Hallett #1 State 10602
T19N, R26E, G & 3RM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit #451

Hallett #1 State 10603
T19N, R26E, G & 3RM
Sec. 28: NE/4 NE/4
Apache County, Arizona
Permit #449

Dear Mr. Harken:

Authorization from this Commission is hereby granted to continue these wells in a temporary abandon status. This temporary abandon status will expire May 17, 1969. We will require our form #25 to be submitted on February 28, March 31, and April 30, 1969, advising us of intentions or actions during the period subsequent to February 15 to the date of the respective reports.

Yours truly,

James A. Lambert,
Administrative Assistant

JAL:SF

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

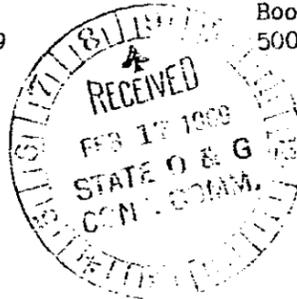
Hallett Construction Company

HOME OFFICE
CROSBY, MINNESOTA

General Contractors

PLEASE REPLY TO:
Box 13
Boone, Iowa
50036

February 11, 1969



Mr. John Bannister
Oil and Gas Conservation Commission
State of Arizona Room 202
1624 West Adams
Phoenix, Arizona 85007

RE: Hallett # 1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit # 451

Hallett # 1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit # 449

Dear Mr. Bannister:

We would like to request an extension of 90 days of the temporary abandoned status on the two wells referred to above.

We are at this time engaged in discussions and negotiation with the Arizona Helium Company relative to their purchasing our wells and holdings. The negotiations as of this writing have not yet been consummated but we feel they are progressing well and no problems are anticipated. We feel that an extension would benefit us and at the same time benefit the state by increasing the chances that not only these two wells but other prospects within our holding will be fully exploited by a company already established in the business of producing helium. Their demonstrated ability and need to produce helium should give the state a decided advantage to gain more royalty than could be anticipated by our own exploitation of the wells.

If these discussions fail to produce concrete results the wells can always be completed or abandoned by our company to the satisfaction of all concerned parties.

Thank you very much for any consideration you may give our request.

Sincerely yours,

Ron Harken
Ron Harken: Geologist
HALLETT DEVELOPMENT COMPANY

*P.S. upon return to office find Ron has written
letter pretty much as per my conversation.
will appreciate the granting of the extension.
Respectfully
A.C. Jones
V.Pres.*

4419
451

December 16, 1968

Mr. Ronald E. Harken
Hallett Development Company
Box 296
Marion, Kansas

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit #449

Dear Mr. Harken:

Authorization from this Commission is hereby granted to continue these wells in a temporary abandon status. This temporary abandon status will expire February 15, 1969. We will require our form #25 to be submitted on December 30, 1968, January 15, 1969, and January 30, 1969, advising us of intentions or actions during the period subsequent to December 15 to the date of the respective reports.

5/17/69

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

451

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES

GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

MINNESOTA PLANTS:
ST. PETER
DUMSON
ULTHOLT LAKES
FRONTENAC
HENDERSON
LUVERN
MANNATO
MONTEVIDEO

KANSAS:
LITTLE RIVER
MARION
WAKEFIELD
MOODBINE



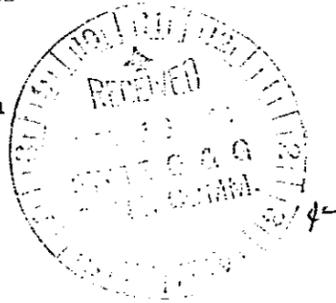
Hallett Construction Company
Crosby, Minnesota

MINNESOTA PLANTS:
ST. PETER
DUMSON
ULTHOLT LAKES
FRONTENAC
HENDERSON
LUVERN
MANNATO
MONTEVIDEO

Box 13
Boone, Iowa
50036

December 11, 1968

Mr. John Bannister
The Oil and Gas Conservation Commission
State of Arizona
1624 West Adams
Room 202
Phoenix, Arizona 85007



Dear Mr. Bannister:

We would like to request an extension of 45 days, until 1 February 1969, of the temporary abandoned status on Hallett # 1 State of 10602 in Section 28, T19N, R26E and on Hallett # 1 State 10603 in Section 36, T19N, R26E both in Apache County, Arizona.

We have encountered some problems which we did not anticipate. We are in the process of assessing the partners in Hallett Development Company for additional funds and some feel that they would like to wait until the first of the year to pay their assessments. A good deal of money has been spent in drilling the wells, in fact more than had been anticipated. The parties are willing to go ahead, but feel that the assessment should wait until the coming year.

We have contacted Arizona Helium Corporation, Kerr McGee Corporation, and the Halliburton Company about completion of the two wells and have a good idea of what it will take technically and economically. The cost of completion on # 2 for instance is placed in the neighborhood of \$ 10,000.00. We do have gas pressure in the wells but have no idea as to what kind of volumes to expect. This element of not knowing what to expect has been the difficult part to sell to our stockholders when additional expenditures of \$ 10,000.00 to \$ 15,000.00 are asked for.

451

extend to 2-15-69
JB

Mr. John Rammister

We are in the process now of reviewing the entire situation and making certain we have not overlooked any of the alternatives we might have available to us. We feel certain that given a 45 day extension we will be able to make arrangements for completion of these wells.

Thank you very much for any consideration of our problems and hopefully for your approval.

Sincerely yours

Ron Harken
Ron Harken: Geologist
HALLETT CONSTRUCTION COMPANY

RH:ma



October 30, 1968

Mr. Ronald E. Harken
Hallett Development Company
Box 296
Marion, Kansas

Re: Hallett #1 State 10602	Hallett #1 State 10603
T19N, R26E, G & SRM	T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4	Sec. 36: NW/4 NE/4
Apache County, Arizona	Apache County, Arizona
Permit #451	Permit #449

Dear Mr. Harken:

Authorization from this Commission is hereby granted to continue these wells in a temporary abandon status for 45 days additional. This temporary abandon status will expire December 15, 1968. We will require our form #25 to be submitted on November 15 and again on November 29 advising us of intentions or actions during the period subsequent to October 26 to the date of the respective reports.

Yours truly,

John Bannister
Executive Secretary

JAL:jf

451

October 28, 1968

Mr. Ronald E. Harken
Hallett Development Company
Box 296
Marion, Kansas

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit #449

Dear Mr. Harken:

We enclose a few of our Sundry Notices and Reports on Wells (Form 25) for your use. We remind you that we should receive a notice on each well bearing an October date pertaining to your intentions or report of actions on the pertinent well.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enclosures

451

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
HEAVY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

PLEASE REPLY TO:

Box 13
Boone, Iowa

26 October 68

Mr John Bannister
The Oil and Gas Conservation Comm.
State of Arizona
1624 W. Adams Street
Suite 202
Phcenix, Arizona 85007

Dear Mr. Bannister,

Enclosed is a request to maintain our two wells on temporary abandoned status. We would hope to be back on these wells during the month of November if our driller can get his schedule arranged to include us. We have been surveying the market and such and are somewhat encouraged. The exact method of completion has been somewhat of a problem. We don't wish to lose the gas we have in the wells and as a consequence have been proceeding rather slowly. I hope you will bear with us a bit longer.

Thanks very much for all you have done for us. We will notify you as soon as are plans are more definite.

Scincerly yours

HALLETT DEVELOPEMENT COMPANY

Ron Harken
Ron Harken, Geologist

RH:rh



449

451

September 17, 1968

Mr. Ronald E. Harken
Hallett Development Company
Box 296
Marion, Kansas

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit #449

Dear Mr. Harken:

Authorization from this Commission is hereby granted to place these wells in a temporary abandon status to expire October 31, 1968. Should operations be resumed on either well, this office should be notified.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

August 30, 1968

Mr. Ronald E. Harken
Hallett Development Company
Box 296
Marion, Kansas

Re: Hallett #1 State 10602
T19N, R26E, G & SRM
Sec. 28: SE/4 NE/4
Apache County, Arizona
Permit #451

Hallett #1 State 10603
T19N, R26E, G & SRM
Sec. 36: NW/4 NE/4
Apache County, Arizona
Permit #449

Gentlemen:

Our forms No. 25 pertaining to each of the captioned wells indicate that a temporary abandonment status was approved by this office. This status is to expire effective August 31, 1968.

Please advise if operations on these wells have been resumed. Hold in mind that Rule 202B requires these wells should be plugged and abandoned. Please submit a current form No. 25 or a form No. 9, Application to Abandon and Plug.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

9/4/68 read 9/4/68

451

July 9, 1968

Hallett Construction Company
P.O. Box 296
Marion, Kansas

Attention: Mr. Ronald E. Harken, Geologist

Re. Hallett #1 State 10602
SE NE 28-19N-26E Apache County, Arizona
Permit 451

Gentlemen:

Our letter of May 20, 1968 authorized temporary abandonment of captioned well as well as your #1 State 10603 and notified you that when operations were resumed this office should be notified. Too, in the past you have been advised that this Commission should be kept currently informed as to operations.

It is our understanding that operations are underway on captioned well. Will you please submit a sundry report detailing your operations from the date you resumed until the current date. Of course we should be kept currently informed thereafter. Your earliest cooperation is appreciated.

All information received of course will be maintained in a confidential status for the established period.

Very truly yours,

John Bannister
Executive Secretary
mr

enc: Form 25

May 20, 1968

Hallett Construction Company
P.O. Box 296
Marion, Kansas

Attention: Mr. Ronald E. Harken, Geologist

Re: Hallett #1 State 10603
NE NE 36-19N-26E Apache County, Arizona
Permit 449

Hallett #1 State 10602
SE NE 28-19N-26E Apache County, Arizona
Permit 451

Gentlemen:

In reply to your letter of May 10, 1968 concerning captioned wells, authorization from this Commission is hereby granted to place these wells in a temporary abandoned status for sixty days, to expire July 10, 1968.

When operations are resumed of course this office should be notified.

Very truly yours,

John Bannister
Executive Secretary
nr

MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

May 10, 1968

PLEASE REPLY TO:

Hallett Construction
Company
Box 296
Marion, Kansas

Mr. John Bannister
Oil and Gas Commission
Phoenix, Arizona

Dear Mr. Bannister;

We would like to request that information received in your office on Hallett State #1 in section 28, T 19N, R 26 E remain on confidential status and that the well be treated as a tight well upon its completion.

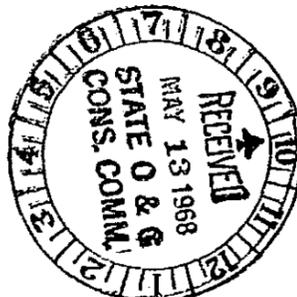
Thank you very much.

Sincerely yours,

Ronald E. Harken
Ronald E. Harken, Geologist
Hallett Construction Company

REH:tlk

A 51



MODERN SCREENING
WASHING AND CRUSHING PLANTS
CLEAN UNIFORM AGGREGATES



GENERAL CONTRACTORS
CONCRETE & ASPHALT ROADS
READY MIX CONCRETE

Hallett Construction Company
General Contractors

HOME OFFICE
CROSBY, MINNESOTA

May 10, 1968

PLEASE REPLY TO:

Post Office Box 296
Marion, Kansas

Mr. John Bannister
The Oil and Gas Conservation Commission
State of Arizona
1624 W. Adams Street
Suite 202
Phoenix, Arizona 85007

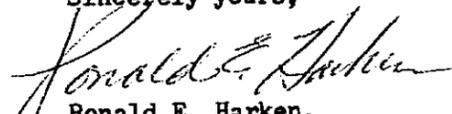
Dear Mr. Bannister:

We wish to request that you place Hallett State # 1 in S. 36, T. 19N, R. 26E and Hallett State # 1 in S. 28, T. 19N, R. 26 E. on a temporarily abandoned status. The reason for our request for this status is that our drilling contractor, Mr. Thomas Wheat of Glendale, Arizona was forced by prior commitments to remove his rig from the area. A second rig which he has promised to continue these two wells with is also caught up with prior commitments and he is unable to move it on location. He has informed us that he will be once again available on the first of June 1968, and we will at that time hopefully resume operation on these two wells in addition to drilling the third well for which we hold a permit.

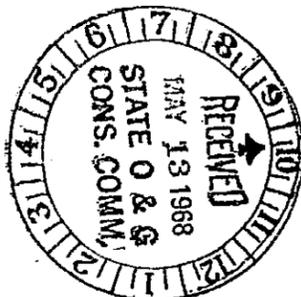
If any other type of notification for this status is necessary, please inform us.

Thank you very much.

Sincerely yours,


Ronald E. Harken,
Geologist

REH:tlk





LACY C. GREER, P. E.
 HAROLD H. HALLETT, P. E.
 EARL D. KIRBY, P. E.

GREER ENGINEERING COMPANY
 1000 EIGHTH AVENUE
 TELEPHONE 524-3965 • POST OFFICE BOX 478
 HOLBROOK, ARIZONA 86025

April 29, 1968

HIGHWAYS
 BRIDGES
 AIRPORTS
 WATER SUPPLY
 AND SEWERAGE
 SURVEYS

Arizona State Oil & Gas Conservation Commission
 1624 W. Adams
 Phoenix, Arizona

Gentlemen:

Enclosed please find a copy of a plat showing the
 drilling site location in Section 28, Township 19
 North, Range 26 East, Apache County, Arizona of
 Mr. James T. Fulton, Sunland Development Co.,
 Phoenix, Arizona.

Yours very truly,

Lacy C. Greer

Lacy C. Greer
 President *ll.*

VC

Enclosure



451

April 24, 1968

Hallett Development Company
Crosby, Minnesota

Attention: Mr. A.C. Jensen

Gentlemen:

Your application for permit to drill of April 18, 1968 is assumed to mean a change of location from that authorized under Permit 451.

Just as soon as a survey plat showing this new location is received, this office can then approve the new location and issue a revised permit to drill.

Very truly yours,

John Bannister
Executive Secretary
mr

cc: Mr. J.F. Fulton

DESIGNATION OF OPERATOR

The undersigned is the record holder of Lease:
(Number or name of lease and description of entire lease acreage) *Lots 1144,
State O & G Lease 10602: Sec. 20, all; Sec. 28, all; Sec. 30, E2W2, E2
2543.20Ac
Sec. 32, all*

and hereby designates
*Lease 10603: Sec. 24, N2 SE E/2 SW NW SW
Sec. 26, W2 SE S/2 NE NW NE
Sec. 34, ALL
Sec. 36, ALL (248 acres)*

Name: *Hallett Development Co.*

Address: *Crosby, Minnesota*

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and all regulations, whether Federal, Indian, State, or local, applicable thereto and on whom may be served written or oral instructions in securing compliance with all the applicable lease terms, and rules and regulations of the Oil and Gas Conservation Commission, State of Arizona, with respect to:

(Describe only the acreage to which this designation applies)

*T-19-N, R-26-E
Sec. 26, 28, 34, ALL*

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and with all the applicable rules and regulations of the Oil and Gas Conservation Commission, State of Arizona. It is understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the record holder of the lease remains primarily responsible for and will make full and prompt compliance with all applicable lease terms, the rules and regulations of the Oil and Gas Conservation Commission, State of Arizona, or orders of other appropriate regulatory governmental agencies.

The lessee agrees promptly to notify all proper authorities and appropriate regulatory governmental agencies on any change in the designated operator.

The designated operator agrees to promptly notify all proper authorities of any change of his address during the period in which this designation of operator is in force.

1-25-68

(Date)

1-25-68

(Date)

*James J. Fritton President
Hallett Development Co.
A. C. Jensen
Designated Operator*

(If this Designation of Operator applies to a State of Arizona Oil and Gas Lease, copy of this designation of operator must be filed with the State Land Department.)

449, 450, 451