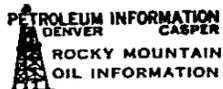


P-W

CACTUS DRILLING #1 NAVAJO
NW NW 14-36N-22E Apache County

325

325
ARIZONA
APACHE CO.
WILDGAT (W)



Twp 36n-22e
Section 14
NW NW
660 s/n 660 e/w

OPR: Cactus Drilling

WELL #: 1 Navajo

ELEV: 5910 Gr

DSTS. & CORES:

SPUD: 9-26-65

COMPL: 10-31-65

TOPS: Log ~~5910~~

TD: 6689

PB:

Rock Point 1241

CSG: 10-3/4" @ 360 w/215

Chinle 1530

PERF:

Shinarump 2585

DeChelly 2640

Organ Rock 3660

Hermosa 4585

Molas 5610

Mississippian 5720

McCracken 6302

Bright Angel 6531

Tapeats 6600

PROD. ZONE:

Contr: Own

INIT. PROD:

D&A

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ1-561221

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 **Cactus Drilling Corp.** Address **Box 2146 Farmington, New Mexico**

Federal, State or Indian Lease Number or name of lessor if fee lease **14-20-0603-8515** Well Number **#1 85-15 Wildcat** Field & Reservoir

Location **660' FNL & 660' FWL Sec. 14-T36N-R22E** County **Apache**

Sec. TWP-Range or Block & Survey **Sec. 14-T36N-R22E**

Date spudded **9-26-65** Date total depth reached **10-27-65** Date completed, ready to produce **5910 GR.** Elevation (DF, RKB, RT or Gr.) feet **5909** Elevation of casing hd. flange feet

Total depth **6689** P.B.T.D. **None** Single, dual or triple completion? **None** 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) **0-6689** Cable tools used (interval) **None**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **No** Date filed

Type of electrical or other logs run (check logs filed with the commission) **I.E.S., Microlog W/ Caliper, Gamma Ray-Neutron Bore Hole** 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
Surface	13 3/4"	10 3/4"	32.75	350	215	None

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production _____ 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	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

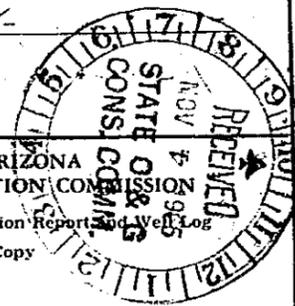
Tubing pressure	Casing pressure	Cal'ed rate of Pro-duction per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

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 **Asst. Drlg. Supt.** of the **Cactus Drlg. Corp.** (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 **11-2-65**

Signature *C. P. Rogers*



Permit No. _____

Form No. 4

File One Copy

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Lukachukai	650		
Rock Point	1241		
Chinle	1533		
Shinarump	2590		
DeChelly	2650		
Organ Rock	3665		
Cedar Mesa	4009		
Hermosa Penn.	4585		
1st. Chert Zone	5015		
2nd. Chert Zone	5160		
Molas	5610		
Mississippian	5723		
Elbert	6005		
Mc/Cracken	6302		
Cambrian Lynch	6376		
Bright Angel	6531		
Tapeats	6604		

D.S.T. #1 from 6302 to 6350 I.S.I.-1/2 Hr. tool open 1/2 Hr. F.S.I.-3/4 Hr. recovered 3 ft of drilling mud. I.S.I.P.-875# I.F.P.-44# F.F.P.-44# F.S.I.P.-459# F.H.P.-3058#

D.S.T. #2 & #3 both had packer failures.

D.S.T. #4 was run on a wire line by Schlumberger from 6483 to 6490. Had no pressures and recovered no fluid.

* 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. PRESVR. Other Plugged

2. NAME OF OPERATOR
Cactus Drilling Corp.

3. ADDRESS OF OPERATOR
Box 2146 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 660' FNL & 560' FWL
At top prod. interval reported below _____
At total depth Same

14. PERMIT NO. 325 DATE ISSUED 9-20-65

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8515

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cactus Drlg. Corp.

9. WELL NO.
#1 Navajo 85-15

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
NW/4 NW/4

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

15. DATE SPUDDED 9-26-65 16. DATE T.D. REACHED 10-27-65 17. DATE COMPL. (Ready to prod.) _____

18. ELEVATIONS (DP, RSB, RT, GR, ETC.)* 5910 GR. 19. ELEV. CASINGHEAD 5909

20. TOTAL DEPTH, MD & TVD 6689 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____

23. INTERVALS DRILLED BY ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE _____

26. TYPE ELECTRIC AND OTHER LOGS RUN
Formation Tester
I.F.S., Microlog, Bore Hole Compensated Gamma Ray-Neutron

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
<u>10 3/4"</u>	<u>32.75</u>	<u>350</u>	<u>13 3/4"</u>	<u>215 sacks Type "C"</u>	<u>None</u>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<u>2 1/2"</u>	<u>100</u>	<u>100</u>	<u>10</u>	<u>100</u>

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>2 1/2"</u>	<u>100</u>	<u>100</u>

31. PERFORATION RECORD (Interval, size and number)

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>100-100</u>	<u>10 2 1/2" 100</u>

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS—BBL.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS—BBL.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS

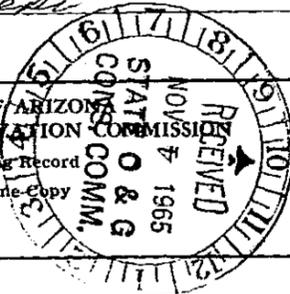
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED CO Rogers TITLE Asst. Drlg. Supt. DATE 11-2-65



*(See Instructions and Spaces for Additional Data on Reverse Side)

PLUGGING RECORD					
Operator Cactus Drilling Corp.			Address Box 2146 Farmington, New Mexico		
Federal, State, or Indian Lease Number. or lessor's name if fee lease.		Well No.	Field & Reservoir		
14-20-0603-8515		1	Wildcat		
Location of Well			Sec-Twp-Rge or Block & Survey	County	
660' FNL & 660' FWL			Sec. 14-T36N-R22E	Apache	
Application to drill this well was filed in name of		Has this well ever produced oil or gas	Character of well at completion (initial production):		
Cactus Drlg. Corp.		No	Oil (bbls/day)	Gas (MCF/day)	Dry?
					Yes
Date plugged:	Total depth	Amount well producing when plugged:			
October 31, 1965	6689	Oil (bbls/day)	Gas (MCF/day)	Water (bbls/day)	
		None	None	None	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement		
	None		6650-6550--33 sacks		
			6350-6250--33 sacks		
			5750-5650--33 sacks		
			4600-4500--33 sacks		
			2650-2525--38 sacks		
			7 sacks in the surface		
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
10 3/4"	343'	none	343'		
Was well filled with mud-laden fluid, according to regulations?			Indicate deepest formation containing fresh water.		
Yes			None		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
Mobil	Durango, Colorado		South		
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 <u>Aast. Drlg. Supt.</u> of the <u>Cactus Drlg. Corp.</u> (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		Signature			
Nov. 2, 1965		<i>C.O. Rogers</i>			
Permit No. <u>325</u>		Form No. 10			



APPLICATION TO ABANDON AND PLUG

FIELD Wildcat
OPERATOR Cactus Drilling Corp. ADDRESS Box 2146 Farmington, New Mexico
Federal, State, or Indian Lease Number
or Lessor's Name if Fee Lease Navajo Contract # 14-20-0603-8515 WELL NO. #1 Navajo 85-15
SURVEY Tract #161 SECTION 14 COUNTY Apache
LOCATION 660' FNL & 660' FWL Sec. 14-T36N-R22E

TYPE OF WELL Dry Hole TOTAL DEPTH 6689
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned)
LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD We set 350 feet of 10 3/4" Surface Casing and cemented this with 215 sacks of cement 3% Calcium Chloride, and circulated out approximately 30 sacks.

2. FULL DETAILS OF PROPOSED PLAN OF WORK We propose to plug this well at the following intervals. 6650-6550, 6350-6250, 5750-5650, 4600-4500, 2650-2525, 1600-1500, plug in the bottom of the surface casing and one in the top of the surface casing with a dry hole marker. Hole will be plugged with 210 sacks of cement at U.S.G.S. specifications.

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

DATE COMMENCING OPERATIONS October 31, 1965

NAME OF PERSON DOING WORK Halliburton ADDRESS Farmington, New Mexico

CORRESPONDENCE SHOULD BE SENT TO C.O. Rogers
Name

Asst. Drlg. Supt.
Title

Box 2146 Farmington, New Mexico
Address

November 1, 1965
Date

Date Approved 11-5-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John J. Bamister
Permit No. 325

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9
RECEIVED
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
NOV 5 1965

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8515
2. NAME OF OPERATOR Cactus Drilling Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR Box 2146 Farmington, New Mexico		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FNL & 660' FWL		8. FARM OR LEASE NAME Cactus Drlg. Corp.
14. PERMIT NO. 325	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5910	9. WELL NO. #1 Navajo 85-15
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA Sec. 14-T36N-R22E
		12. COUNTY OR PARISH Apache
		13. STATE Arizona

16. 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"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

17. 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.)*

The above well was drilled to a depth of 6689 feet. We ran a D.S.T. #1 from 6302 to 6350. I.S.I.-1/2 Hr., Tool open 1/2 Hr., F.S.I.-3/4 Hr. recovered 3 foot of drilling mud. I.S.I.P.-675#, I.F.P.-44#, F.F.P.-44#, F.S.I.P.-459#, F.H.P.-3058#. D.S.T. #2 was from 6458 to 6533 had a packer failure. Moved the packer up the hole 13 feet and went in for D.S.T. #3 from 6445 to 6533. We had a packer failure here also. After logs were run Schlumberger ran a wire line test from 6483 to 6490 recovered no fluid and had no pressures. We ran the following logs at 6689 FT. Microlog with Caliper, Bore Hole Compensated, Gamma Ray-Neutron, Induction Electric, and a Formation Tester. We propose to plug this well at the following intervals
6650 up to 6550 with 33 sacks of cement.
6350 up to 6250 with 33 sacks of cement.
5750 up to 5650 with 33 sacks of cement.
4600 up to 4500 with 33 sacks of cement.
2650 up to 2525 with 38 sacks of cement.
1600 up to 1500 with 33 sacks of cement.
Five (5) sacks in the bottom of the surface casing.
Two (2) sacks in the top of the surface casing with a dry hole marker screwed into the surface casing.

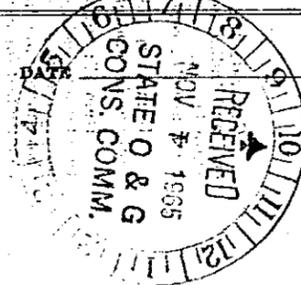
18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Asst. Drlg. Supt. DATE 10-30-65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom); and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of purging of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1957-O-585229
587-581

1. Name of well
2. Location
3. State
4. Reason for abandonment
5. Date of abandonment
6. Method of abandonment
7. Name of operator
8. Name of contractor
9. Name of inspector
10. Date of inspection
11. Signature of operator
12. Signature of contractor
13. Signature of inspector

Message for _____ (____) (____)
DATE 10-29 TIME 9:25

WHILE YOU WERE OUT
Mr. Jack White
of Cactus Drilling
Phone _____

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	HER
			HIM
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RETURNED YOUR CALL	

Message Logging today
Also # 648296 Wireline test
6691 TD. Nothing encour-
aging. Will be plugging
early next wk according to
USGS instructions. Will find
logs, reports thereafter
Received by _____

For an additional supply of this form
PHONE ALPINE 4-7231
ARIZONA-MESSENGER Printing Co.
1207 E. Washington Phoenix, Arizona 85034
#325

TD anticipated
6700-6800'

Cactus Pkg # 1
Navajo 8515

Top of Elbert 6005

" " McCracken 6302

Pkg @ 6340 Prep to
DSTR

10-22-65

JVB

10-22-65
Top Elbert 6005

" McCracken 6302

Orly 6340'

prep to DST

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Cactus Drilling Corporation
 2. OIL WELL GAS WELL OTHER (Specify) New Well
 3. Well Name Cactus Drilling Corporation #1 Navajo 85-15
 Location 660' FNL & 660' FWL NW/4 of NW/4
 Sec. 14 Twp. 36N Rge. 22E County Apache, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo Contract No. 14-20-0603-8515

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"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Spud</u> <input checked="" type="checkbox"/>		(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.)

We will spud the above well on September 25, 1965.

On the above location we will drill a 13 3/4" hole to 345', and we will set 343' of 10 3/4" Surface Casing. After surface casing has been properly cemented and tested we will reduce the hole to 7 7/8" and resume drilling.



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

Signed C. D. Rogers Title Asst. Drlg. Supt. Date 9-24-65

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies

Form No. 25

Permit No. 325

7 SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Cactus Drilling Corporation
 2. OIL WELL GAS WELL OTHER (Specify) New Well (Drilling)
 3. Well Name Cactus #1 Navajo 85-15
 Location 660' FNL & 660' FWL
 Sec. 14 Twp. 36N Rge. 22E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Navajo Contract No. 14-20-0603-8515
 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 checked="" 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)	<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.)

The above well was spudded at 4:30 A.M. September 26, 1965. We drilled 360 feet of 13 3/4" hole, and pulled out of hole to run logs. Schlumberger logged well from ground level to 360 Ft. We then ran 8 joints of 10 3/4" Surface Casing. Casing was set at 350 Ft., and cemented with 215 sacks of cement 3% CC plug was down at 6:00 A.M. 9-27-65. We waited on the cement for 24 hours, and then we tested the surface casing with 800# for 1/2 hour. We then reduced the hole to 7 7/8" and started drilling again. October 18, 1965 we were drilling at 6002 ft. formation Lime & Shale. We have had no shows of porosity or any water flow so far. No Cores, Logs or Drill Stem Test have been run other than the logs on the surface hole.

Formation Tops

Wingate Lukachukai--650'	
Wingate Rock Point--1241'	
Chinle --1533'	
Shinarump --2590'	
DeChelly --2650'	
Organ Rock --3665'	Ouray --5940'
Cedar Mesa --4009'	Molas --5610'
Hermosa Penn. --4585'	Mississippian --5723'
1st. Orange Chert --5015'	
2nd. Orange Chert --5160'	

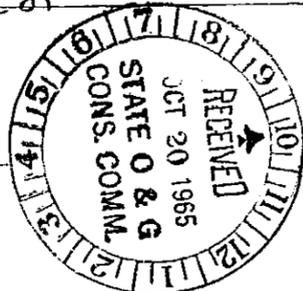
No shows in the Mississippian formation.

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

Signed C. D. Rogers

Title Asst. Drlg. Supt. Date 9-18-65

Permit No. 325



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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR

DATE

Cactus Drilling Corporation

September 14, 1965

Address

City

State

Box 2146

Farmington

New Mexico

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease

Well number

Elevation (ground)

Navajo Contract No. 14-20-0603-8515

#1 Navajo 85-15

5910

Well location and acreage dedicated to the well (give footage from section lines)

Section--township--range or block & survey

660' FNL & 660' FWL

W/2 NW/4

Sec. 14-T36N-R22E

Field & reservoir (if wildcat, so state)

County

Wildcat

Apache County, Arizona

Distance, in miles, and direction from nearest town or post office

Approximately 10 miles east of the Chiloquinbite Trading Post

Nearest distance from proposed location to property or lease line:

Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:

660 feet

None

feet

Proposed depth:

6700

Rotary or cable tools

Rotary

Approx. date work will start

9-25-65

Number of acres in lease:

320

Number of wells on lease, including this well, completed in or drilling to this reservoir:

None

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

Name

Address

Status and amount of bond

\$2500.00

Organization Report

On file Or attached On File

Filing Fee of \$25.00

Attached Yes

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)



*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Asst. Drlg. Supt. of the Cactus Drilling Corp. (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.

Signature

C. Rogers

Date

September 14, 1965

Permit Number: 325

Approval Date: 9-20-65

Approved By: John Bonister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided. See instruction on Reverse Side of Form

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill, Deepen or Plug Back and Plat
File Two Copies

Form No. 3

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.

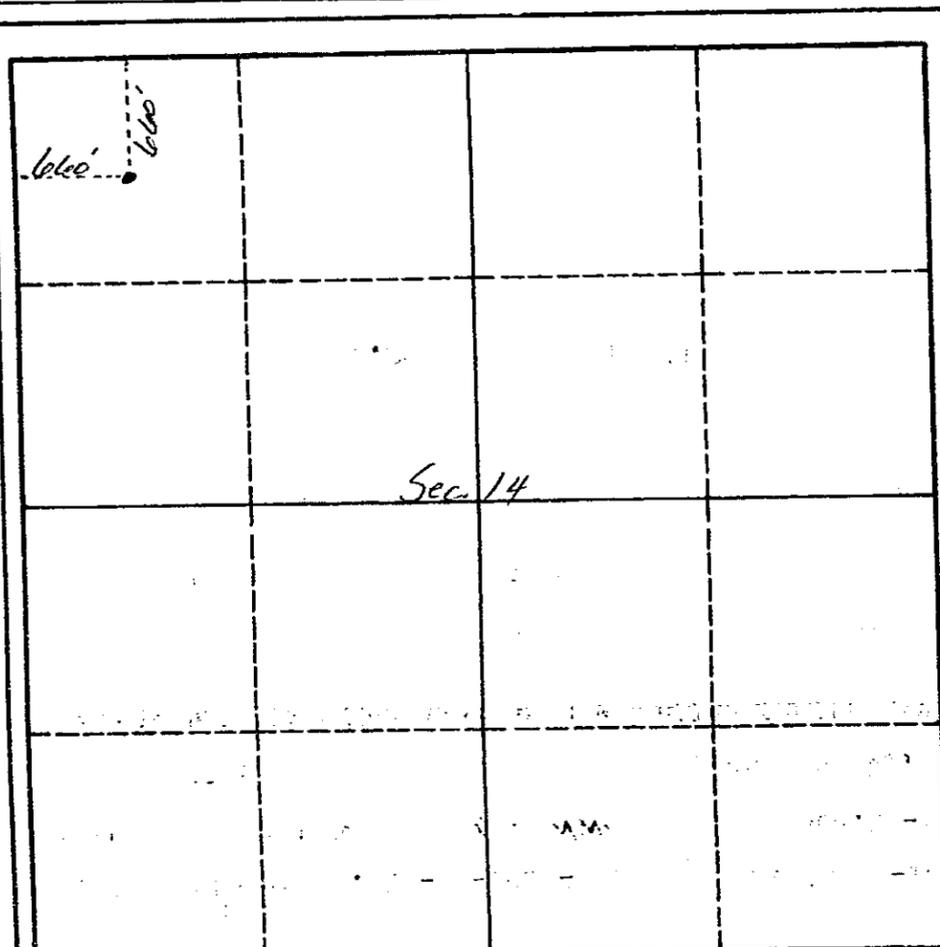
3. All distances shown on the plat must be from the outer boundaries of the Section.

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



CERTIFICATION

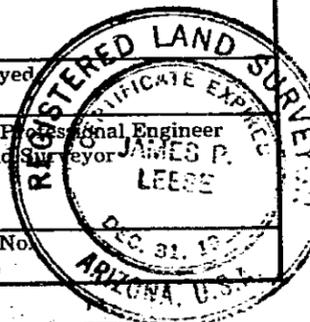
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name *J. P. Rogers*
 Position Asst. Drlg. Supt.
 Company Cactus Drlg. Supt.
 Date September 14, 1965

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.

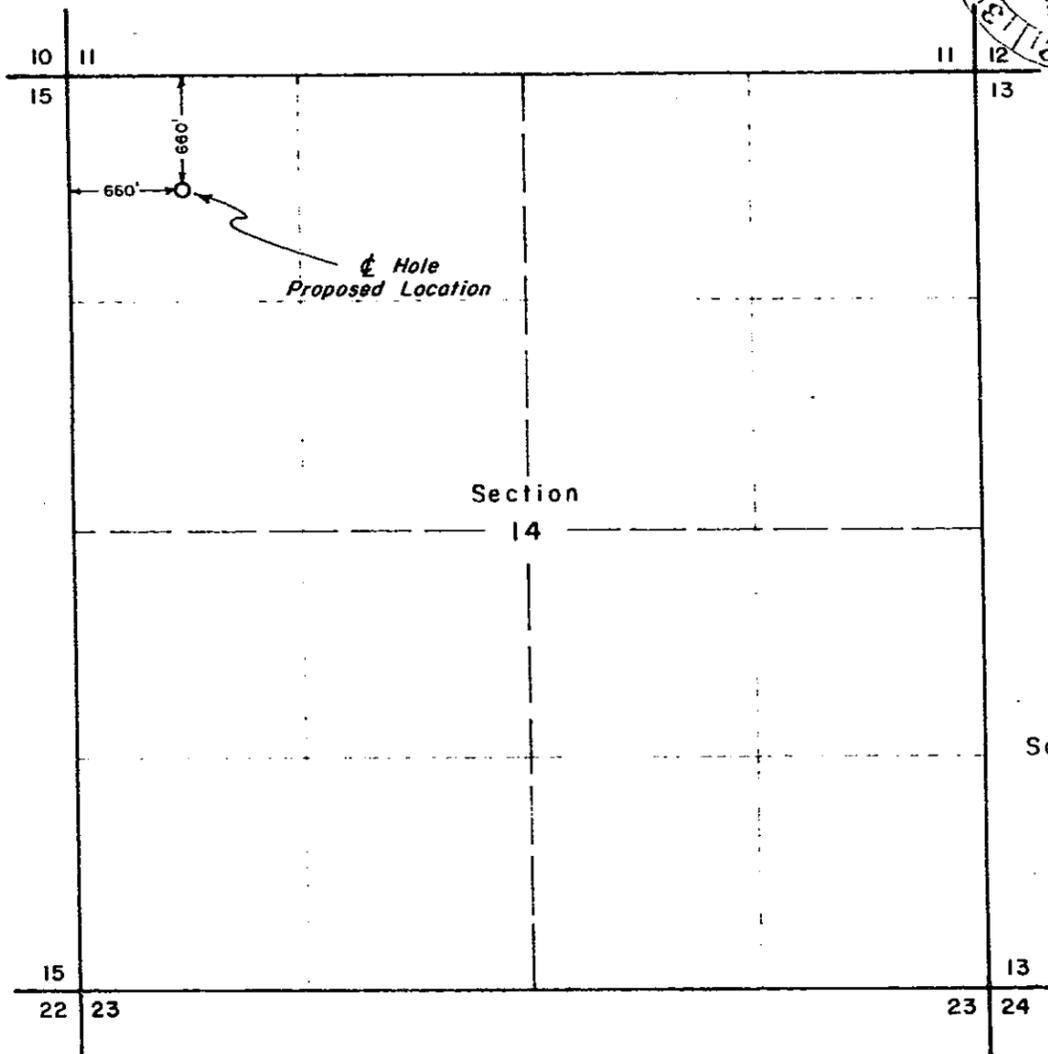
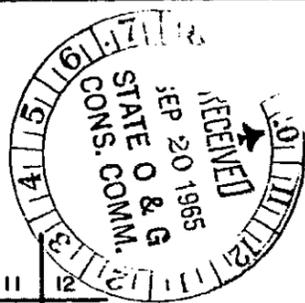
Date Surveyed 9-3-65
 Registered Professional Engineer and/or Land Surveyor JAMES P. LEESE

Certificate No. 1849



PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement



Scale: 1" = 1000'

WELL LOCATION: Cactus Drilling Corp. - Navajo # 1 - 161

Located 660 feet South of the North line and 660 feet East of the West line of Section 14,
Township 36 North, Range 22 East, Gila & Salt River Meridian
Apache Co., Arizona
Existing ground elevation determined at 5896 feet (preliminary)

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
Registered Land Surveyor
State of Arizona # 5313

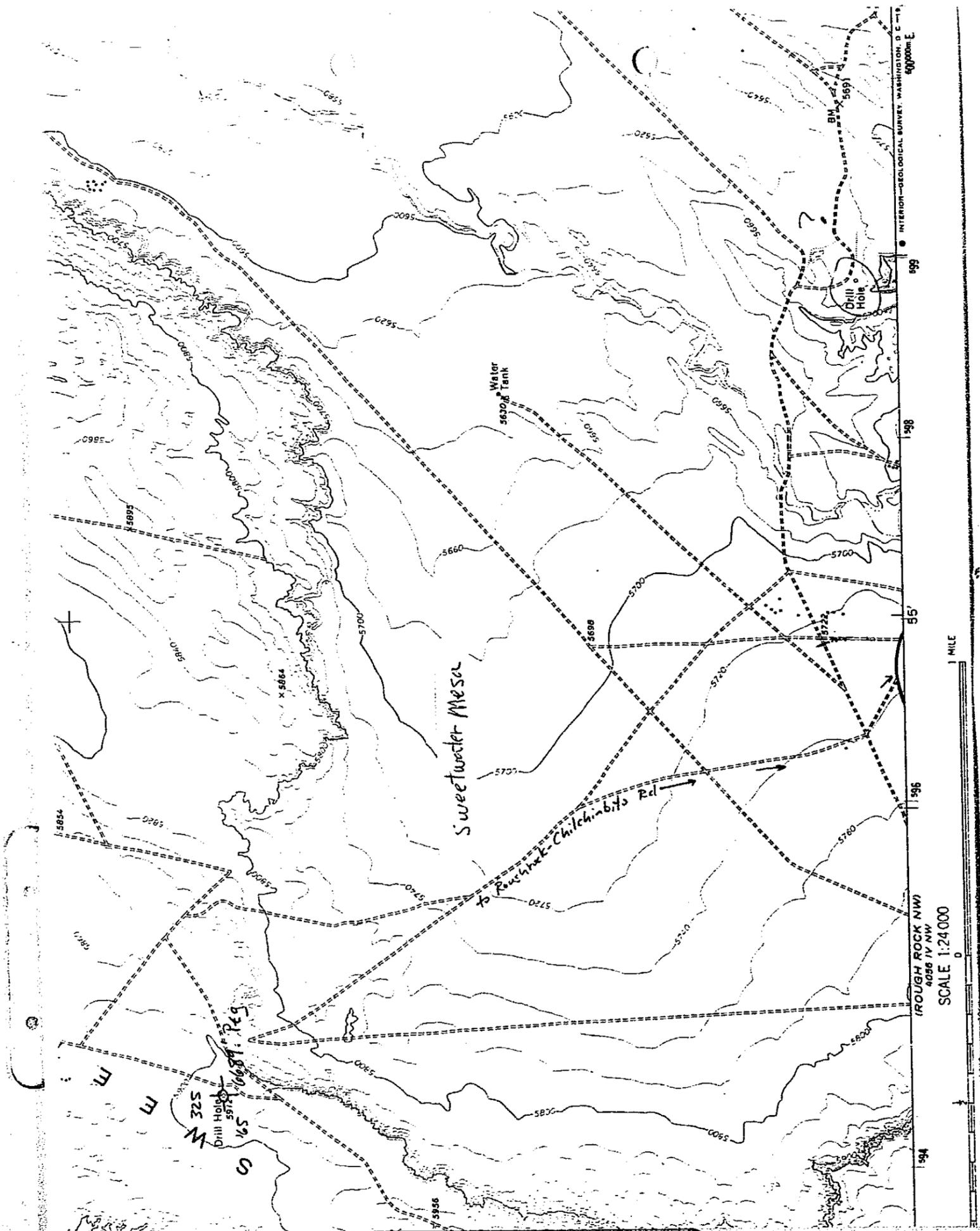


CACTUS DRILLING CORP
Farmington, New Mexico

WELL LOCATION PLAT
Sec. 14, T. 36 N., R. 22 E.
Apache Co., Arizona

E. M. CLARK & ASSOC.
Durango, Colorado

DATE Sept. 15, 1965
FILE NO 65065



INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. 20548

(ROUGH ROCK NW)
4036 JV NW

SCALE 1:24 000

ARCO Exploration and
Production Technology
2300 West Plano Parkway
Plano, TX 75075-6499

July 6, 1992

Larry D. Fellows
Director and State Geologist
Arizona Geological Survey
845 North Park Ave., #100
Tucson, Arizona 85719

*File copy in each
well file see file PH 325*

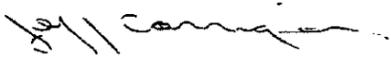
Dear Mr. Fellows,

Following the agreement set forth in the Arizona Geological Survey sample policy I am forwarding (1) the results of Rock-Eval analysis Aneth Shale cuttings samples from eight wells in the Black Mesa basin and (2) vitrinite reflectance data collected for the Amerada Hopi #1 well. We waive the rights to the six month confidentiality period.

Thank you for your cooperation.

Sincerely,

Jeff Corrigan



cc: Steve Rauzi

Table 1. Rock-Eval data for Aneth Shale from sampled Black Mesa cuttings.

Sample ID	Depth Interval (ft)	TOC (weight %)	S1 (mg/g rock)	S2 (mg/g rock)	HI (mg HC/g TOC)	OI (mg CO ₂ /g TOC)
Amerada Hopi 1 (310)						
92R1477	7350-7370	0.08	0.07	0.10	125	362
92R1478	7370-7390	0.09	0.06	0.07	78	378
92R1479	7390-7410	0.07	0.04	0.01	14	514
92R1480	7410-7430	0.10	0.08	0.06	60	360
92R1481	7430-7450	0.11	0.10	0.04	36	327
92R1482	7450-7470	0.16	0.10	0.07	44	213
92R1483	7470-7490	0.13	0.06	0.02	15	246
92R1484	7490-7510	0.16	0.06	0.01	6	144
92R1485	7510-7540	0.11	0.06	0.02	18	318
92R1486	7540-7560	0.26	0.13	0.41	158	135
Cactus Navajo 8515 (525)						
92R1487	5540-5560	0.09	0.09	0.12	133	289
92R1488	5560-5580	0.04	0.11	0.03	72	563
92R1489	5580-5600	0.06	0.10	0.08	133	550
Cactus Navajo 8816 (395)						
92R1490	5540-5560	0.08	0.06	0.00	0	313
92R1491	5560-5580	0.08	0.05	0.01	13	362
92R1492	5580-5600	0.09	0.06	0.04	44	289
92R1493	5600-5620	0.07	0.05	0.02	29	429
Cactus Navajo -C2 (307)						
92R1494	4460-4480	0.08	0.06	0.04	50	425
92R1495	4480-4500	0.07	0.07	0.04	55	378
Tenneco 1 Navajo (292)						
92R1496	6870-6890	0.05	0.06	0.03	58	725
92R1497	6890-6910	0.07	0.09	0.09	123	434
92R1498	6910-6930	0.06	0.06	0.03	48	473
92R1499	6930-6950	0.08	0.06	0.04	51	464
92R1500	6950-6970	0.15	0.09	0.13	89	217
92R1501	6970-6990	0.19	0.09	0.16	85	218
92R1502	6990-7010	0.21	0.12	0.30	144	132
92R1503	7010-7030	0.32	0.17	0.64	202	88
92R1504	7030-7050	0.15	0.08	0.09	62	287
ARCO Hopi 9-1 (312)						
92R1505	6280-6300	0.11	0.14	0.18	173	323
92R1506	6300-6320	0.14	0.12	0.09	66	203
92R1507	6320-6340	0.08	0.07	0.01	12	306
92R1508	6340-6360	0.04	0.05	0.03	72	808
92R1509	6360-6380	0.13	0.08	0.01	8	220
92R1510	6380-6400	0.14	0.10	0.02	15	226
92R1511	6400-6420	0.13	0.07	0.07	56	277
92R1512	6420-6440	1.14	0.35	3.06	269	26
92R1513	6440-6460	0.31	0.15	0.59	192	115
92R1514	6460-6480	0.28	0.19	0.56	195	105
Moore, Moore & Miller (521)						
92R1515	6540-6560	0.16	0.08	0.14	90	215
92R1516	6560-6580	0.08	0.04	0.02	24	331
92R1517	6580-6600	0.08	0.06	0.04	48	380
92R1518	6600-6640	0.11	0.07	0.03	29	323
92R1519	6640-6660	0.17	0.07	0.03	18	178
92R1520	6660-6700	0.21	0.06	0.14	67	93
92R1521	6700-6710	0.21	0.09	0.42	202	98
92R1522	6710-6730	0.26	0.08	0.39	150	223
Texasco 1-A Hopi (307)						
92R1523	5650-5670	0.05	0.14	0.08	154	705
92R1524	5670-5690	0.09	0.09	0.05	53	348
92R1525	5690-5710	0.09	0.08	0.05	53	316
92R1526	5710-5730	0.13	0.15	0.09	72	237
92R1527	5730-5750	0.13	0.07	0.06	48	204

ARCO OIL + GAS CO.
PLANO
TEXAS
U.S.A.

Fax No. 010 1 214 754 6807

VITRINITE REFLECTANCE DETERMINATIONS SERIES 92R 1462 - 1486
ATTN. CHARLIE LANDIS ✓

SAMPLE No.	R.O. ANGE.	No. of READINGS	CONF.	U.V.	COMMENTS
92R1462	0.39	20	C	Y-Y/O SPORES.	—
92R1463	0.43	4	C	Y SPORES	PHYT. DEGRADED
92R1464	0.43	10	C	Y SPORES	PHYT. V. DEGRADED
92R1465	N.D.P.	—	—	—	RED SILTY SST. HAEMATITIC
92R1466	N.D.P.	—	—	—	RED SANDY SILT.
92R1467	N.D.P.	—	—	—	RED SILT.
92R1468	N.D.P.	—	—	—	RED MARL
92R1469	N.D.P.	—	—	—	Mxd. LIME. HAEMATITIC
92R1470	N.D.P.	—	—	—	10% SST. 90% SH. HAEMATITIC
92R1471	N.D.P.	N.D.P.	—	Y-Y/O CARB.	20% HAEMATITIC CRCS.
92R1472	N.D.P.	—	—	—	RED SST.
92R1473	N.D.P.	—	—	—	RED SILTY SST.
92R1474	N.D.P.	—	—	Y/O CARB.	HAEMATITIC
92R1475	N.D.P.	—	—	Y/O CARB.	70% HAEMATITIC MARL
92R1476	N.D.P.	—	—	—	50% LST. HAEMATITIC
92R1477	N.D.P.	—	—	Y/O CARB.	70% LST. + 30% RED SHALE
92R1478	N.D.P.	—	—	Y/O CARB.	70% LST.; 30% RED SHALE
92R1479	N.D.P.	—	—	L.O. CARB.	10% LST.; 90% RED SILTY SANDS
92R1480	N.D.P.	—	—	Y/O CARB.	30% MAINLY LST. 70% RED SHALE

SAMPLE No.	R.O. ANAL.	No. of READING	CONF.	U.V.	COMMENTS
92R 1481	N.D.P.	—	—	1/10-L.O. CARB.	10% ST.; 50% LST.; 40% RED SHALE
92R 1482	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEM. SPECKS
92R 1483	N.D.P.	—	—	1/10 CARB.	90% MARLY LST. 10% RED SHALE
92R 1484	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEMATITE TRACES
92R 1485	N.D.P.	—	—	1/10 CARB.	LST. HAEMATITE TRACES
92R 1486	N.D.P.	—	—	1/10 CARB.	SHALY LST. HAEM. TR. CLAUDEITE

SORRY. I CAN'T REALLY DO ANYTHING WITH THIS LOT. THE FIRST FEW SAMPLES ARE O.K. BUT WHEN WE GET INTO THE RED BED THE PHYTOLITHS DISAPPEAR. EVEN WHEN THE HAEMATITE DECREASES IN THE FINAL FEW SAMPLES, THE SUCCESSION IS ALMOST WHOLLY LIMESTONE WHICH IS BAZZED.

ANOTHER APOLOGY FOR THE HANDWRITING BUT THE SECRETARY IS ON HOLIDAY TODAY. I WILL COMPUSERVE THE DATA, FOR WHAT IS WORTH, LATER THIS WEEK.

BEST WISHES

WICK JONES.

January 10, 1969

Mr. Fred A. F. Berry
2273 Cedar Street
Berkeley, California 94709

Re: Cactus Drilling #1 Navajo 8515
T36N, R22E, G & SRM
Sec. 14: NW/4 NW/4
Apache County, Arizona
Permit #325

Dear Mr. Berry:

This is in reference to your letter of January 6, 1969. In reviewing our file we find that the Commission has five logs that were run on the captioned well. These are as follows:

Induction - Electrical Log	10-28-56
Microlog	10-28-65
Formation Tester	10-29-65
Borehole Compensated Sonic Log (With Caliper)	10-29-65
Gamma Ray - Neutron	10-28-65

We are sending these logs out to Hale Blueprint and Supply Company of Phoenix, and the reproductions will be mailed direct from Hale Blueprint to you along with the invoice.

Geologist, Jim Scurlock, is out of the office and we went ahead and acted on your inquiry in order to speed up the process and get the logs into your hands as soon as possible.

Yours truly,

James A. Lambert
Administrative Assistant

jf

325

2273 Cedar Street
Berkeley 94709

January 6, 1969

Mr. J. R. Scurlock
Oil & Gas Conservation Commission
Room 202
1624 W. Adams
Phoenix, Arizona 85007

Dear Jim:

I have tried repeatedly over the last several years to obtain the logs on a well out in Apache County, Arizona, and have been continually frustrated. I am writing to you in the hope that you can help me.

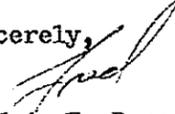
The well in question is the Cactus Drilling, #1 Navajo, located in the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Sec. 14 - T 36 N - R 22 E, Apache County, Arizona. The well was drilled as a dry hole and completed on October 31, 1965. However, Cactus Drilling continually refuses to release the logs on this well. I have tried repeatedly via Rocky Mountain Well Log Service, and they tell me that they are simply unable to obtain a release from Cactus.

I don't know why Cactus should be so proud of that well, but anyway they are. In any event, I would appreciate it if you people could help me as you did once before; namely, by having a reproduction company there in Phoenix reproduce your copies of this log. I do not need the blow-up scale, so if they will only reproduce each log the first time through, that would save me some money. If you could have them do this for me and bill me directly at the above address, I would be most appreciative.

Like most people, I have been laid up with the flu this fall. It seems like the flu has come to dominate all of our lives.

My best wishes to you, Jim.

Sincerely,


Fred A. F. Berry

FAFB:mg



325

Operator CACTUS DRILLING COPR.

Bond Company The Aetna Casualty & Surety Co. Amount \$2,500

Bond No. 18 S 47, 632BC Date Approved 9-20-65

Permits covered by this bond:

325

CANCELLED

DATE 3-18-66

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 18 S 47,632BC

That we: CACTUS DRILLING CORPORATION

of the County of: TOM GREEN in the State of: TEXAS

as principal, and THE ETNA CASUALTY AND SURETY COMPANY

of HARTFORD, CONNECTICUT
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

To drill a single well on property described as follows: Sec. 14-T36N-R22E, to be the
(May be used as blanket bond or for single well)

Cactus Drilling Corporation, Navajo 85-15, in Apache County, Arizona.

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of - - - - TWENTY FIVE HUNDRED AND NO/100 - - - - (\$2,500.00) - - - - Dollars.

Witness our hands and seals, this 10th day of SEPTEMBER, 1965.



CACTUS DRILLING CORPORATION

By: Cl. Pagan Asst. Dir. Sept.
(Title) Principal

Witness our hands and seals, this 10th day of SEPTEMBER, 1965.

COUNTERSIGNED
The Aetna Casualty and Surety Company
By: Frank P. Ryan

THE ETNA CASUALTY AND SURETY COMPANY

By: John R. Stockton
John R. Stockton, Surety Attorney-in-Fact

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date 9-20-65
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
By: John Gannister

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Form No. 2
18-66
File Two Copies

Permit No. 325

The Aetna Casualty and Surety Company
Hartford, Connecticut 06115

Power of Attorney and Certificate of Authority of Attorney(s)-in-Fact

KNOW ALL MEN BY THESE PRESENTS, THAT *The Aetna Casualty and Surety Company*, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, hath made, constituted and appointed, and does by these presents make, constitute and appoint **W. B. Gracey, W. N. Pitts or John R. Stockton** *

of **Dallas, Texas**, its true and lawful Attorney(s), with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area there designated, the following instrument (s):
by his sole signature and act, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any and all consents incident thereto

and to bind *The Aetna Casualty and Surety Company*, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of *The Aetna Casualty and Surety Company*, and all the acts of said Attorney(s), pursuant to the authority herein given, are hereby ratified and confirmed.

This appointment is made under and by authority of the following provisions of the By-laws of the Company which provisions are now in full force and effect and are the only applicable provisions of said By-laws.

ARTICLE IV—Section 8. The President, any Vice President, or any Secretary may from time to time appoint Resident Vice Presidents, Resident Assistant Secretaries, Attorneys-in-Fact, and Agents to act for and on behalf of the Company and may give any such appointee such authority as his certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors may at any time remove any such appointee and revoke the power and authority given him.

ARTICLE IV—Section 10. Any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President or a Vice President or by a Resident Vice President, pursuant to the power prescribed in the certificate of authority of such Resident Vice President, and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary or by a Resident Assistant Secretary, pursuant to the power prescribed in the certificate of authority of such Resident Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact pursuant to the power prescribed in his or their certificate or certificates of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Resolution voted by the Board of Directors of *The Aetna Casualty and Surety Company* at a meeting duly called and held on the 18th day of December, 1964.

RESOLVED: That the signature of Guy E. Mann, Senior Vice President, or of A. H. Anderson, Vice President, or of D. N. Gage, Secretary, or of C. K. Shaw, Secretary, or of N. H. Pfanstiel, Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, *The Aetna Casualty and Surety Company* has caused these presents to be signed by its Secretary, **D. N. GAGE**, A.D., 1965, and its corporate seal to be hereto affixed, this 7th day of September

The Aetna Casualty and Surety Company

State of Connecticut }
County of Hartford } ss. Hartford



By **D. N. GAGE**
Secretary

On this 7th day of September, A.D., 1965, before me personally came **D. N. GAGE** of **Secretary** of *The Aetna Casualty and Surety Company*, the corporation described in and which executed the above instrument, at its Home Office; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; and that he executed the said instrument on behalf of the corporation by authority of his office under the By-laws thereof.



Mary J. Kingston
Notary Public
My commission expires March 31, 1970.

CERTIFICATE

I, the undersigned, **Secretary** of *The Aetna Casualty and Surety Company*, a stock corporation of the State of Connecticut, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not been revoked; and furthermore, that Article IV—Sections 8 and 10, of the By-laws of the Company, and the Resolution of the Board of Directors, as set forth in the Certificate of Authority, are now in force.

Signed and Sealed at the Home Office of the Company, in the City of Hartford, State of Connecticut. Dated this 10th day of September, A.D., 1965



By **D. N. GAGE**
Secretary

March 18, 1966

Cactus Drilling Corporation
P.O. Drawer 71
San Angelo, Texas

Attention: Mr. H.G. Brewer, Production Department

Re: Cactus Drilling Corp. #1 Navajo 8151 well
NW SW 19-39N-26E, Apache County, Arizona
File 305
Aetna Casualty & Surety Co. Bond 188 45-545BC

Cactus Drilling Corp. #1 Navajo 8515 well
NW NW 14-36N-22E, Apache County, Arizona
Our File (325)
Aetna Casualty & Surety Co. Bond 188 47-632BC

Gentlemen:

Inasmuch as captioned wells have been completed, and all required data has been filed with this office, in accordance with our Rules and Regulations, this letter constitutes authority from this Commission to terminate the captioned bonds.

Very truly yours,

John Bannister
Executive Secretary
BY

cc: Aetna Casualty & Surety Co.
3033 N. Central Ave.
Phoenix, Arizona

TELEPHONE
853-5931

POST OFFICE
DRAWER 71

Cactus Drilling Corporation

FIRST SAVINGS BUILDING
San Angelo, Texas

March 16, 1966

Mr. John Bannister
Oil and Gas Conservation Commission
State of Arizona
1624 West Adams
Phoenix, Arizona 75007

Re: Cactus Drilling Corporation #1 Navajo 8151 Well
NW SW 19-39N-26E, Apache County, Arizona
File 305
Aetna Casualty & Surety Company Bond 18S 45-545BC

Cactus Drilling #1 Navajo 8515 Well
NW NW 14-36N-22E, Apache County, Arizona
File 325
Aetna Casualty & Surety Co. Bond 18S 47-632BC

Dear Mr. Bannister:

Please accept our thanks for your letter of March 8, 1966, captioned as above. We have now been informed that a plugging record on Navajo 8151 Well No. 1 (Rock Point #1) has been filed with your office.

We do request that the individual bonds on these two wells be released.

Yours very truly,

H. G. Brewer

H. G. Brewer
Production Department

HGB:sr

March 8, 1966

Cactus Drilling Corporation
P.O. Drawer 71
San Angelo, Texas

Re: Cactus Drilling Corp. #1 Navajo 8151 well
NW SW 19-39N-26E, Apache County, Arizona
File 305
Aetna Casualty & Surety Co. Bond 18S 45-545BC

Cactus Drilling #1 Navajo 8515 well
NW NW 14-36N-22E, Apache County, Arizona
File 325
Aetna Casualty & Surety Co. Bond 18S 47-632BC

Gentlemen:

In reviewing our files we notice that captioned wells have been completed and all required information, with the exception of the Plugging Record on the #1 Navajo 8151 well, has been submitted in accordance with our Rules and Regulations.

If you desire it, and so request in writing, this Commission will release the individual bond covering your operations on the #1 Navajo 8515 well; and as soon as the Plugging Record is received on the #1 Navajo 8151 well, the bond would be released on that well.

Vary truly yours,

John Bannister
Executive Secretary
mr

TELEPHONE
653-5931

POST OFFICE
DRAWER 71

Cactus Drilling Corporation

FIRST SAVINGS BUILDING
San Angelo, Texas

November 29, 1965

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

Re: Cactus Drilling #1 Navajo 8515
NW NW 14-36N-22E
Apache County, Arizona
Permit 325

Dear Mr. Bannister:

Many thanks for your note about the captioned being a "tight hole." We have no reason to keep the information on this well confidential, so this is your authority to handle the file in the normal manner.

Yours very truly,

H. G. Brewer

H. G. Brewer
Production Department

HGB: sr



November 10, 1965

Cactus Drilling Corporation
P.O. Box 2146
Farmington, New Mexico

Re: Cactus Drilling Corp. #1 Navajo 8515 well
NW/4NW/4 14-36N-22E, Apache County, Arizona
Permit 325

Gentlemen:

Enclosed is approved copy of Application to Abandon and
Plug captioned well.

We would remind you that copies of all logs shall be filed
within 90 days after the completion of any well. (See
Rule 119, Rules and Regulations.)

We very much appreciate the cooperation you have shown
this Commission.

Very truly yours,

John Donnister
Executive Secretary

nr
enc

October 23, 1965

Cactus Drilling Corporation
P.O. Box 2146
Farmington, New Mexico

Re: Cactus Drilling Corp. #1 Navajo 8515 well
NW/4NW/4 14 -36N-22E, Apache County, Arizona
Permit 325

Gentlemen:

Enclosed are reporting forms for your use as needed. Copies of all logs run should be submitted within 90 days from date of completion. If you have a sample log, we would appreciate a copy of that also.

If this office may be of help to you in any way, please contact us.

Yours very truly,

J.R. Scurlock
Geologist
MR
enc Forms 9-10-4

September 21, 1965

Cactus Drilling Corporation
P.O. Box 2146
Farmington, New Mexico

Re: Cactus Drilling Corp. #1 Navajo 8515 well
NW/4NW/4 14-36N-22E, Apache County, Arizona
Permit 325

Gentlemen:

Enclosed is approved copy of your Application to Drill captioned well, Receipt 9423 for the filing fee, and approved copy of your bond covering captioned well.

We have designated the W/2NW/4 as the acreage dedicated to this well, in conformance with our Rules and Regulations. If this does not meet with your approval, please let us know.

Also enclosed is a supply of Form 25, Sundry Notices and Reports on Wells. This report should be submitted monthly.

However, we should be notified when a well is spudded, when it is being logged or tested, if operations are being suspended for any reason, etc., whether or not any of these coincide with the above monthly report.

Please be assured that we are keenly interested in the success of your operations. And if this office may be of assistance to you at any time, do not hesitate to contact us.

Yours very truly,

John Bannister
Executive Secretary
nr
enc

TEXAS EQUIPMENT CO.

POWER TUBING TONG RENTAL
PIPE STRAIGHTENING SERVICE
RENTAL TOOLS AND EQUIPMENT

*Single well bond will
be sent to you from
"The Astra Casualty and
Surety Company"
3033 North Central Ave.
Phoenix, Arizona*

*Thank you
Jackie White
Office Mgr.*

325



GEO. COLEMAN

PHONE 325-6892

24 HR. SERVICE

September 8, 1965

Mr. Jack White
Cactus Drilling Corporation
P.O. Box 2146
Farmington, New Mexico

Dear Mr. White:

In response to your telephone call today we are enclosing the necessary bond and application to drill forms for your intended well in 14-36N-22E, Apache County, Arizona.

If this office may be of help to you in any way, please contact us.

Yours very truly,

John Bannister
M.M.

325