

P-W

CONSOLIDATED ~~NAVAJO~~ NAVAJO
SW SW 3-41N-28E APACHE CO. 514

COUNTY Apache AREA 25 mi Shiprock, NM LEASE NO. Navajo 14-20-603-226

WELL NAME Consolidated Oil & Gas 3-3 *Nav. Oil & Gas (8-30-82)*
~~Merrion & Bayless*~~

LOCATION SW/SW SEC 3 TWP 41N RANGE 28E FOOTAGE 330' FSL - 520' FWL

ELEV 5383 GR 5395 KB SPUD DATE 8-27-69 STATUS TA 12-3-72 TOTAL
 COMP. DATE 10-12-69 DEPTH 4855'

CONTRACTOR Loffland Bros, Denver, Colorado *PVA 8-19-94* PBTB 4825'

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
8 5/8"	320	165 sx		<input checked="" type="checkbox"/>
5 1/2"	4852	288 sx		<input type="checkbox"/>

DRILLED BY CABLE TOOL
 PRODUCTIVE RESERVOIR Desert Creek
 INITIAL PRODUCTION 169 oil, 56 water
 gas not measured

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
San Raphael	Surface		<input checked="" type="checkbox"/>	
Shinarump	1630			
Coconino	1944			
Hermosa	3868			
Ismay	4566			
Ismay A-2	4638			
Desert Creek	4688			
Akah	4838			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Acoustic Velocity;			<u>Am Strat</u>
Micro Seismogram log			SAMPLE DESCRP. <u>None</u>
Cased Hole; IE log			SAMPLE NO. <u>Tuc. 2583, 1504</u>
			CORE ANALYSIS <u>None</u>
			DSTs <u>See file 11-12-69</u>

REMARKS * Consolidated sold its interest to Merrion & Bayless 8-1-74
(covering well nos. 22, 69, 490, 514 & 518)
 APP. TO PLUG
 PLUGGING REP.
 COMP. REPORT 11-3-69

WATER WELL ACCEPTED BY _____

BOND CO. UNITED STATES FIDELITY & GURANTY *filed in P/N 518* BOND NO. 010130-972-74
 BOND AMT. \$ 25,000 CANCELLED DATE _____
 FILING RECEIPT 9596 LOC. PLAT WELL BOOK PLAT BOOK
 API NO. 02-001-20114 DATE ISSUED 8-25-69 DEDICATION W/2 of SW/4

PERMIT NUMBER 514

Distribution: Orig+4 (BLM); 1-Crystal; 1-Accounting; 1-Well File
 Form 3160-5 (June 1990)
 UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED BLM

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

94 AUG 25 AM 11:26
 070 FARMINGTON, NM

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No. 14-20-603-226
 6. If Indian, Allottee or Tribe Name Navajo Tribe
 7. If Unit or CA, Agreement Designation Permit # 514
 8. Well Name and No. Navajo 3-3
 9. API Well No. 02-001-20114
 10. Field and Pool, or Exploratory Area East Boundary Butte
 11. County or Parish, State Apache County, Arizona

SUBMIT IN TRIPLICATE

1. Type of Well Oil Well Gas Well Other
 2. Name of Operator Merrion Oil & Gas Corporation
 3. Address and Telephone No. P. O. Box 840, Farmington, New Mexico 87499 (505) 327-9801
 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 330' FSL & 520' FWL (SWSW) Section 3, T41N, R28E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. 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.)

8/17/94 MIRU A-Plus Well Service. **Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.**

8/18/94 Open up well. RU rig and cementing equipment. PU perf'd sub, TIH tally 150 jts of 2-3/8" tbg to 4762'. Pumped Plug #1 with 30 bbls of water at 4762', then mixed 42 sxs Class 'B' neat cmt (15.6#) and displaced from 4762' to 4400'. Pull and LD tbg up to 4396'. Stand back 15 stands. WOC.

8/19/94 TIH, tag Plug #1 at 4712'. Pull tubing up to 4692' and load hole with 10 bbls and psi casing to 500 psi - held OK. Plug #1 - tubing at 4692' mixed 34 sxs of Class 'B' neat cmt (15.6#) and displace from 4692' up to 4400'. Pull & LD tubing up to 3958'. Plug #2 - tubing at 3958', mixed 18 sxs of Class 'B' neat cement (15.6#) and displace from 3958' up to 3800'. Pull and lay down tubing up to 2400'. Plug #3 - tubing at 2400', mixed 20 sxs of Class 'B' neat cement (15.6#) and displace from 2400' up to 2222'. Pull and lay down tubing up to 2001'. Plug #4 - tubing

AZ OIL & GAS CONSERVATION COMMISSION CONTINUED OTHER SIDE*****

OCT 11 1994

SEP - 1 1994

14. I hereby certify that the foregoing is true and correct.
 Signed [Signature] Title Operations Manager Date 8/23/94

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

APPROVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false or fraudulent statement or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

DISTRICT MANAGER

at 2001', mixed 18 sxs of Class 'B' neat cement (15.6#) and displace from 2001' up to 1844'. Pull and lay down tubing up to 690'. TOH with tubing. RU Wireline, RIH and perf'd 1 hole @ 650'. POH with wireline, establish circulation down casing and out bradenhead with 10 bbls. Circulate clean with 15 more bbls. TIH with tubing, TOH laying down. Plug #5 - surface establish circulation then mixed 198 sxs of Class 'B' neat cement (15.6#) and got 1 bbl of good cement out bradenhead. Shut well in. Open up well. ND BOP. Cut off wellhead. Installed dry hole marker. RDMOL. Will rehabilitate location at a later date.

AZ OIL & GAS
CONSERVATION COMMISSION

OCT 11 1994

Distribution: 0+4 (BLM); 1-Crystal; 1-Earleen

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
14-20-603-226

6. If Indian, Allottee or Tribe Name
Navajo Tribe

7. If Unit or CA, Agreement Designation
Permit 514

8. Well Name and No.
Navajo 3-3

9. API Well No.
02-001-20114

10. Field and Pool, or Expropriary Area
East Boundary Butte

11. County or Parish, State
Apache County, Arizona

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Merrion Oil & Gas Corporation

3. Address and Telephone No.
P. O. Box 840, Farmington, New Mexico 87499 (505) 327-9801

4. Location of Well (Fonage, Sec., T., R., M., or Survey Description)
330' FSL & 520' FWL (SWSW)
Section 3, T41N, R28E

AZ OIL & GAS
CONSERVATION COMMISSION
OCT 11 1994

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple operations on Well Completion or Resumption Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, 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.)

Merrion Oil & Gas Corporation requests approval to plug and abandon the Navajo No. 3-3 well per the attached procedure for lack of economically producible quantities of oil and gas.

Original reservoir pressures in the Ismay and Desert Creek are less than 0.433 psi per foot and we propose to use water in lieu of mud for plugging.

NOV 10 1993

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
BLM
NOV 10 1993
11:10:28

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

Signature: [Signature] Title: Operations Manager Date: 11/2/93

(This space for Federal or State action use)

APPROVED

Approved by: [Signature] Title: DISTRICT MANAGER

NOV 03 1993

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

October 25, 1993

Navajo #3-3
SW, SW, Sec. 3, T41N, R28E
Apache County, Arizona

AZ OIL & GAS
CONSERVATION COMMISSION

OCT 11 1994

PLUG AND ABANDONMENT PROCEDURE:

1. MOL and RUSU. Comply to all Merrion and BLM safety rules and regulations. Blow well down; kill with water if necessary. POH and LD rods and pump; hot oil if necessary.
2. ND wellhead and NU BOP. POH and tally 2-7/8" tubing, inspect; if necessary LD and PU tubing work string. RIH with open ended tubing and tag bridge plug at 4825'.
3. Plug #1 from 4825' to 4516' with 42 sxs Class B cement (50' excess; covers Desert Creek perms, Ismay perms and top). POH and WOC.
4. RIH and tag cement. Circulate hole clean and pressure test casing to 500#. POH to 1994'.
5. Plug #2 from 1994' to 1894' with 17 sxs Class B cement (DeChelly top). POH to 1800'. POH and LD tubing.
6. Perforate 2 holes at 370'. Establish circulation out bradenhead. Plug #3 from 370' to surface with Class B cement, circulate good cement out bradenhead, approx. 105 sxs. Shut in well and WOC.
7. ND BOP and cut off wellhead below ground level and install dry hole marker with 10 sxs cement. RD and MOSU.
8. Restore location per BLM stipulations.

**Merriam Oil & Gas Corporation
Wellbore Schematic
Navajo No. 3-3**

Location: 330' lat & 520' lat (sw sw)
Sec 3, T41N, R28E
Apache Co, Arizona

10/27/93

Elevation: 5392' GL ?
5395' KB

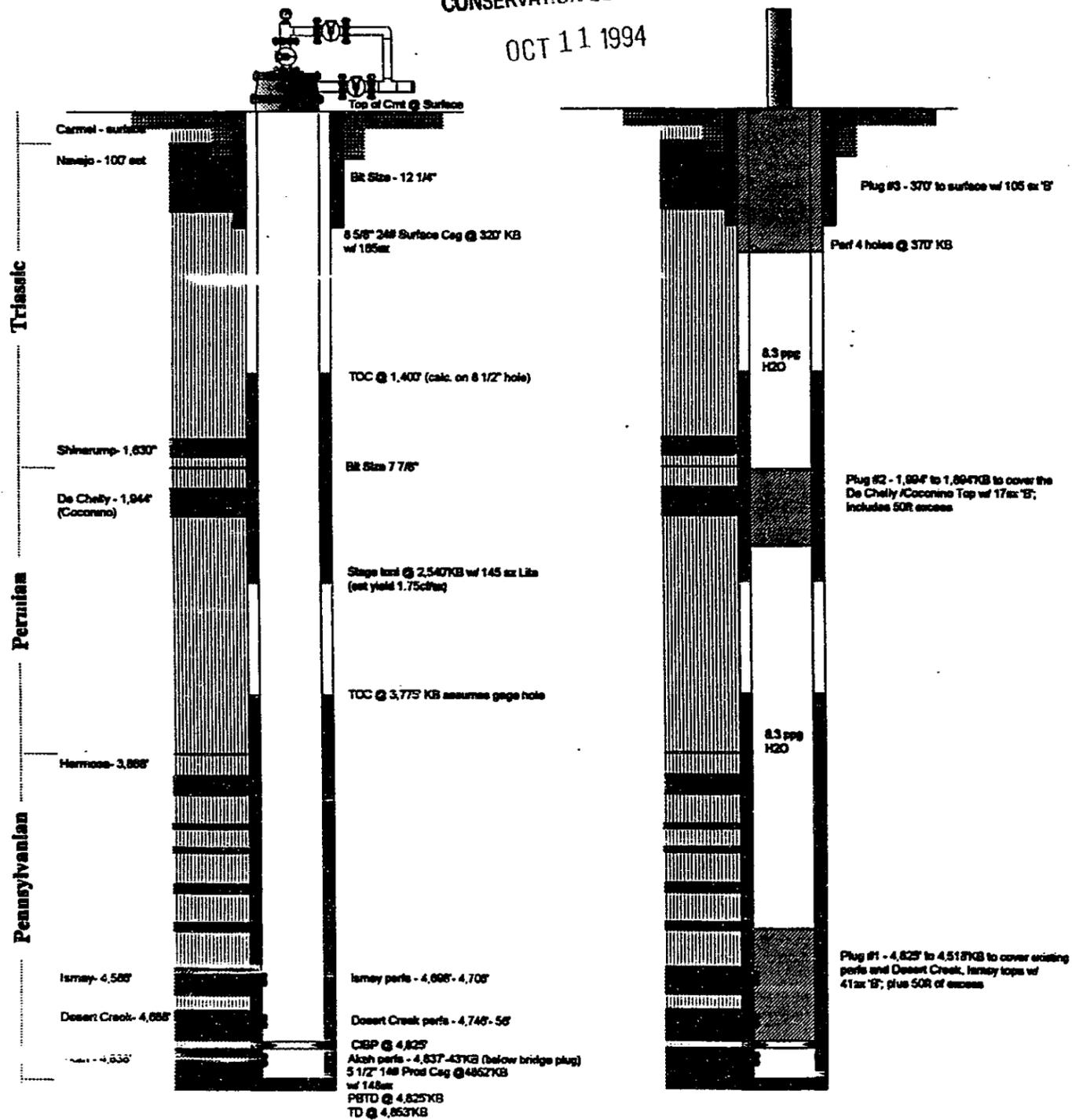
By: Steve Dunn

Current Wellbore Configuration

AZ OIL & GAS
CONSERVATION COMMISSION

Plugged Wellbore Configuration

OCT 11 1994



IN REPLY REFER TO:
(07337)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 La Plata Highway
Farmington, New Mexico 87401

Attachment to Notice of

Intention to Abandon

AZ OIL & GAS
CONSERVATION COMMISSION

OCT 11 1994

Re: Permanent Abandonment

Well: 3-3 Navajo

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Mike Flaniken with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made (when applicable):

- 1.) Place a cement plug from 3950' to 3850' inside the casing plus 50' excess. (Hermosa Top 3899')
- 2.) Place a cement plug from 2374' to 2274' inside the casing plus 50' excess. (Bottom of DeChelly - 2324' - possible Fresh H₂O)
- 3.) Perforate @ 650' and circulate cement to the surface or place a cement plug from 650' to 550' inside and outside the casing plus 100% excess, then circulate cement from 370'. (Chile Top - 599')

Office Hours: 7:45 a.m. to 4:30 p.m.

(September 1993 Rev)

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON DISTRICT OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Farmington District office, Branch of Drilling & Production.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured.

3.0 A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations and all unattended pits are to be fenced.

3.1 Pits are not to be used for disposal of any constituent(s) of concern.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by: (1) tagging with the work string, or: (2) for cased holes only; pressuring to a minimum surface pressure of 500 PSI, with no more than a 10% drop during a 15-minute period.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

(September 1993 Rev)

- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 6.0 All wells are to be controlled by means of a wellbore fluid that is to be of a weight and consistency necessary to stabilize the wellbore. Wellbore fluid shall be left in place as filler between all plugs.
- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.
- 7.0 A blowout preventer and related equipment (BOPF) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.
- 8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the District Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.
- 9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.
- 10.0 After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Surface Owner or the responsible Surface Management Agency. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved. Please contact the Farmington District Office, Environmental Protection Staff, in reference to rehabilitation requirements and/or final inspection(s).

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOV 5 1984

1. Name of Operator Merrion Oil & Gas Corporation 514

2. OIL WELL GAS WELL OTHER (Specify) _____ O & G CONSV. COMM.

3. Well Name Navajo 3-3

Location SWSW, 330' FSL & 520' FWL

Sec. 3 Twp. 41N Rge. 28E County Apache, Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-603-226

5. Field or Pool Name East Boundary Butte

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) _____	ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Change of transporter</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.)

We are changing the transporter of oil from the Permian Corporation,

Post Office Box 1702, Farmington, New Mexico 87499 to:

Conoco Inc. Surface Transportation
555 17th Street, 9th Floor
Denver, Colorado 80202

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

Signed [Signature] Title Operations Manager Date 11/01/84

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 23

Permit No. _____

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: Consolidated Oil & Gas, Inc. Address: 1860 Lincoln Street, Denver, Colorado 80203

Federal, State or Indian Lease Number or name of lessor if fee lease: Navajo #14-20-603-226 Well Number: 3-3 Field & Reservoir: East Boundary Butte

Location: SW SW of Sec. 3, T-41N, R-28E County: Apache County

Sec. TWP-Range or Block & Survey: Sec. 3, T-41N, R-28E 330' FSL & 520 FWL

Date spudded: 8/27/69 Date total depth reached: 9/9/69 Date completed, ready to produce: 10/12/69 Elevation (DF, RKB, RT or Gr.) feet: 5395' KB Elevation of casing hd. flange feet: 5383

Total depth: 4855' P.B.T.D.: 4825' Single, dual or triple completion?: Single If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: 4698' - 4706' & 4746' - 56' (Desert Creek) Rotary tools used (interval): Rotary 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): Micro-Seismogram + Induction Electric Date filed: Herewith

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	12-1/2"	8-5/8"	24#	320'	165 sacks	--
Production	7-7/8"	5-1/2"	14#	4852'	288 sacks	--

(2 stages)

TUBING RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
2-7/8" in.	4815 ft.	None ft.	-- in.	None ft.	-- ft.	None	--

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
2	1/2" Jet	4746' - 4756'	5000 gals MCA & HCl acid	4746 - 4756'
2	1/2" Jet	4698' - 4706'	5500 gals. mud acid	4698 - 4706'

INITIAL PRODUCTION

Date of first production: 9/22/69 Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): Swabbing (Testing)

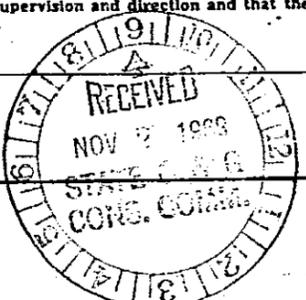
Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
10/12/69	23 hrs.	Rod Pump	162 bbls.	Not Meas. MCF	54 bbls.	39 °API (Corr)

Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
50 psi.	0		169 bbls.	Not Meas. MCF	56 bbls.	Not Meas.

Disposition of gas (state whether vented, used for fuel or sold): Lease fuel. (Some excess may be vented.)

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am a Petroleum Engineer of the Consolidated Oil & Gas, Inc. (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: 11/3/69 Signature: D. E. Smink



STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4
File One Copy

Permit No. 514

**OPERATOR CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL OR GAS FROM LEASE**

Federal, State or Indian Lease Number, or lease name, if the lease 16-20-003-226	Field East Boundary Butte	Reservoir Paradox
Survey or Sec-Twp-Rge Sec. 13 T41N, R28E	County Apache	State Arizona
Operator J. Gregory Merrion and Robert L. Bayless		
ADDRESS ALL CORRESPONDENCE CONCERNING THIS FORM TO:		
Street P.O. Box 507	City Farmington	State New Mexico 87401
Above named operator authorizes (name of transporter) Permian Corporation		
Transporter's street address P.O. Box 1183	City Houston	State Texas 77001
Field address Petroleum Plaza Building Farmington, New Mexico 87401 Oil, condensate, gas well gas, casinghead gas		
To transport 100% of the Oil from said lease.		
OTHER GATHERERS TRANSPORTING FROM THIS LEASE ARE AS FOLLOWS:		
Name of gatherer	% transported	Product transported
Merrion & Bayless	100	Gas
<small>Indicate whether or not this certificate is for a new lease. If not a new lease, indicate whether or not it is a change of operator, change of lease name, change of gatherer, or a consolidation or subdivision of leases and give effective date of change.</small> Change of operator and change of gatherers.		

The undersigned certifies that the rules and regulations of the State of Arizona Oil & Gas Conservation Commission have been complied with in drilling and producing operations on this lease, except as noted above, and that the above transporter is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property, and that this authorization will be valid until further notice or until cancelled by the State of Arizona Oil & Gas Conservation Commission.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Co-Owner of the Merrion & Bayless (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 October 24, 1974

J. Gregory Merrion
Signature

Date approved: 10-29-74

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: *[Signature]*

RECEIVED

OCT 29 1974

O & G CON. COMM.

Permit No. _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Operator's Certificate of Compliance & Authorization to
Transport Oil or Gas from Lease
File Two Copies
Form No. 8

DESIGNATION OF OPERATOR

Navajo Tribe Oil & Gas
Mining Lease Contract No.

The undersigned is the record holder of Lease: 14-20-603-226
(Number or name of lease and description of entire lease acreage) in Apache
County, Arizona: All of Sections 1, 2 & 3 in Township 41 North, Range 28
East, G&SRM and All of Fractional Sections 34, 35 & 36 in Township 42 North,
Range 28 East, G&SRM

and hereby designates J. Gregory Merion and Robert L. Bayless

Name: 205 Petroleum Center Bldg.,
Farmington, New Mexico
Address:

RECEIVED
SEP 30 1974
O & G COM. COM. DIV.

as his operator and local agent, with full authority to act in his be-
half 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)

Same as above (entire lease acreage)

It is understood that this designation of operator does not re-
lieve 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 des-
ignated operator.

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

September 27, 1974
(Date)

(Date)

Consolidated Oil & Gas, Inc. R
Robert L. Bayless
Lessee Vice-President

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.)

3

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Consolidated Oil & Gas, Inc.

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo 3-3

Location SW SW, 330' FSL & 520' FWL

Sec. 3 Twp. 41N Rge. 28E County Apache, Arizona.

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

5. Field or Pool Name East Boundary Butte

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 checked="" 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) _____	ABANDONMENT <input 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.)

Swab and flow-tested perfs. 4746-56' at 3 BFPH, 98% water, with approx. 150 MCF/D gas. Swab-tested perfs. 4698-4707' at 2 BFPH, 50% BS&W with approx. 100 MCF/D gas. Returned well to production from perfs. 4698-4707 and 4746-56'.

Production before workover = 10 BO + 85 BW + 250 MCF/D
Production after workover = same

RECEIVED

MAY 10 5/1971

O & G CONS. COMM.

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

Signed D. E. Smink
D. E. Smink

Title Petroleum Engineer Date 5/6/71

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

Form No. 25

Permit No. _____

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Consolidated Oil & Gas, Inc.

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Navajo 3-3

Location SW/4, SW/4, 330' FSL & 520' FWL

Sec. 3 Twp. 41N Rge. 28E County Apache, Arizona.

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

5. Field or Pool Name East Boundary Butte

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 checked="" type="checkbox"/>	FULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(OTHER)	_____	(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.)

On or about 3/25/71, move in completion unit. Selectively test perforations 4698-4707' and 4746-4756' to determine source of water production. Shut off water production, if feasible. Stimulate oil-productive perforations with acid.

RECEIVED
MAR 22 1971
O & G CONS. COMM.

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

Signed D. E. Smink Title Petroleum Engineer Date 3/18/71

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

Permit No. Ariz. 514

COMPLETION REPORT

COMPANY: Consolidated Oil & Gas, Inc.

WELL NAME: Navajo #3-3

LOCATION: SW SW Sec. 3-41N-28E
Apache County, Arizona

CONTRACTOR: Loffland Brothers

ELEVATION: 5383 G.L., 5395 K.B.

SPUD DATE: August 27, 1969

COMPLETION DATA: October 13, 1969

STATUS: IPP 167 BO + 73 BWPD
from Desert Creek formation

DRILL STEM TESTS: Three drill stem tests were run
in Pennsylvania section. See drill
stem test summary.

CORES: None

PERFORATIONS AND TREATMENT: Akah. perforated 4837-43 with
2 JSPF treated with 1000 gallons
15% HCL, swabbed 16 BFPH
maximum 6% oil. Set Baker C.I.
BP @ 4825. Desert Creek perforated
4746-56 with 2 JSPF treated with
1000 gallons 15% MCA plus 2000
gallons 15% HCL swabbed total 9
hours, 28 BO plus, 100 BW.
Perforated 4698-4708 with 2 JSPF
treated with 1500 gallons of mud
acids. Flowed and swabbed zone
at rates of 7-12 BFPH, 50% oil.
Acidized with 4000 gallons mud
acid, flowed and swabbed zone at
rates of 8-17 BFPH 45-80% oil.

INITIAL POTENTIAL: Well pumping 167 BO plus 68
BWPD from Desert Creek perforations
4746-56 and 4698-4708

SAMPLE DESCRIPTIONS: Make copies of lay w/ sample and
drilling time.



40
514

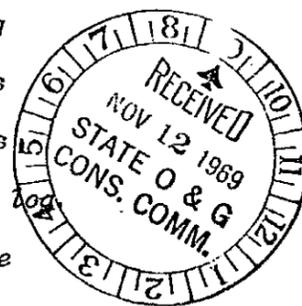
GEOLOGICAL REPORT

The Consolidated Navajo #3-41-28-13 was spudded on an anticlinal structure known locally as East Boundary Butte which lies along the southwestern margin of the Paradox Basin. The primary objective of the well was to offset a producing well in the NENE Sec 9, T41N, R28E which had previously been completed in the Desert Creek horizon of the Paradox formation.

A normal sequence of subsurface Strata was penetrated and the well was bottomed at 4855 in the upper most portion of the Akah member of the Paradox formation.

A total of three (3) Drill Stem Tests were run during the drilling operation with positive shows of hydrocarbons on each test. At total depth a Welox ES-Induction log was run along with an Acoustic Velocity and a Fracture Finder log.

Formation tops as indicated by this suite of logs are shown below. A derick floor elevation of 5392 was used to figure subsea datums.



<u>PERIOD</u>	<u>FORMATION</u>	<u>Welox Top</u>	<u>Subsea Datum</u>
Jurrassic	San Rafael	Surface	0
Triassic	Shinarump	1630	+ 3762
Permian	Coconino	1944	+ 3448
Pennsylvania	Hermosa	3868	+ 1524
	Ismay	4566	+ 826
	Ismay-(A-2)	4638	+ 754
	Desert Creek	4688	+ 704
	Akah	4838	+ 554

46

DRILL STEM TEST

DST #1 (4681-4696)

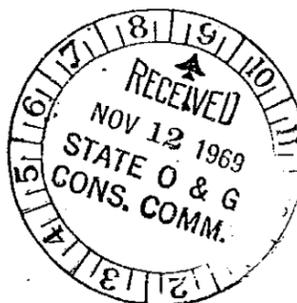
Tool opened for 30 minutes on pre-flow with blow of air throughout. Tool shut in 30 minutes and reopened for 180 minutes with gas to the surface in 120 minutes. Gas was flammable but too small to measure. Tool was shut-in for 60 minutes. Recovery was 1680 feet of high gas cut and slight oil cut drilling mud.

Initial Hydrostatic - 2429 P.S.I.
Initial Flow - 264 to 440 P.S.I.
Initial Shut-In - 1573 P.S.I.
Second Flow - 483 to 791 P.S.I.
Final Shut-In - 1443 P.S.I.
Final Hydrostatic - 2436 P.S.I.

DST #2 (4725-72)

Tool opened for pre-flow for 30 minutes with a good blow of air and gas to the surface in 15 minutes. Tool shut-in for 30 minutes. Tool re-opened for 180 minutes. Gas gauged 28 MCF in 30 minutes, 17 MCF in 60 minutes and 12 MCF in 150 minutes. Tool shut-in 60 minutes. Recovery was 1070 feet of fluid - (120 feet gas cut mud - 710 feet free oil - 240 feet of water cut oil.)

Initial Hydrostatic - 2267 P.S.I.
Initial Flow - 175 to 175 P.S.I.
Initial Shut-In - 1227 P.S.I.
Second Flow - 175 to 395 P.S.I.
Final Shut-In - 1227 P.S.I.
Final Hydrostatic - 2267 P.S.I.



DST #3 (4800-51)

Tool opened for pre-flow for 15 minutes with good blow air. Tool shut in for 30 minutes. Re-opened with good blow air for 120 minutes. No gas to surface. Tool shut-in for 60 minutes. Recovered 930 feet of fluid (186 feet gas cut mud - 120 feet gas and oil cut mud - 394 feet highly gas and oil cut mud - 230 feet highly gas and oil cut water.

Initial Hydrostatic - 2354 P.S.I.
Initial Flow - 175 to 219 P.S.I.
Initial Shut-In - 1401 P.S.I.
Second Flow - 307 to 439 P.S.I.
Final Shut-In - 1271 P.S.I.
Final Hydrostatic - 2311 P.S.I.

94



NAVAJO #3-3

10/1/69: Cut paraffin to 3500'. Flowed and swabbed well to pit for 2-1/2 hrs., recovered 70 bbls. acid wtr. Shut well in (overnight) for 13 hrs. SITP = 900 psi. Opened well on 3/8" choke. Fluid recovery as follows:

<u>TIME</u>	<u>BF</u>	<u>FTP(psi)</u>	<u>% OIL</u>	<u>REMARKS</u>
8:30- 9:00	17	60-100	80	Acid wtr.
9:00-10:00	17	50-100	10	Acid wtr.
10:00-11:00	15	75	15	Acid wtr.
11:00-11:30	4	75	40	Acid wtr.
11:30- 1:00	Tested flow line. Found and repaired two leaks.			
1:00- 2:00	8	40	40	Tr. acid wtr.
2:00- 3:00	8	40	40	Tr. acid wtr.
3:00- 4:00	9	45	45	Formation wtr.
4:00- 5:00	8	45	45	Formation wtr.

Will unseat packer and retrieve RBP this AM, preparatory to running tubing, pump, and rods.

10/2/69: (Overnight test, 9/30 - 10/1, 18 hrs., well flowed 73 BO + 25 BW on 32/64" choke. FTP = 80 psi). Opened bypass on packer, killed well. Unseated packer, picked up Model "C" retrievable bridge plug at 4731'. Pulled tubing, packer, and retrievable bridge plug. Ran 2-7/8" E. U. E. tubing with mud anchor, perf. nipple, one tubing liner pump barrel, & Baker anchor-catcher. Bottom mud anchor at 4815'. Ran 47 3/4" rods. (Parraffin problems).

10/3/69: Ran total of 124 3/4" rods (3100'), and 65 7/8" rods (1625'). Put well on pump. Well down this AM (rain). Well pumped up at 1:30 PM, 10/2/69. From 1:30 PM (10/2/69) to 8:30 AM (10/3/69), well produced 104 BO + 178 BW, plus filling flow line and treater. (3 hr. gauge = 19 BO + 48 BW).

10/4/69: Pumped 203 BO + 202 BW in 24 hrs. (15 - 78 spm).

10/5/69: Pumped 192 BO + 120 BW in 24 hrs. (13 - 78 spm).

10/6/69: 184 BO + 108 BW (13 x 78" spm). Leveling unit will speed up to 15 spm today.

10/7/69: 162 BO + 82 BW in 18 hrs. Down 6 hrs. leveling pumping unit (15 x 78" spm).



NAVAJO #3-3:

9/26/69: Set Model "R" packer at 4720', tested retrievable bridge plug to 600 psi. Test OK. Raised packer to 4667'. Swabbed tubing to 4500', no fluid entry. Acidized perms. 4698-4706' w/1500 gals. mud acid. Max. press. = 300 psi. Flushed with 28 BSW (most of treatment on vacuum at 2-1/2 BPM). Rigged up swab. Tagged FL at 3000'. Swabbed and flowed 30 bbls. acid wtr. to pit. Hourly swabs as follows:

<u>BF</u>	<u>%OIL</u>	<u>% MUD</u>	<u>SD</u>	<u>REMARKS</u>
15	Tr.	5	2000-4000	Gassy Fluid
8	5	3	" "	" "
10	5	3	" "	" "
9	5	2	" "	" "
9	5	2	4600	Still recovering acid water

Will continue to swab today.

9/27/69: This AM SITP = 550 psi. Flowed and swabbed well as follows:

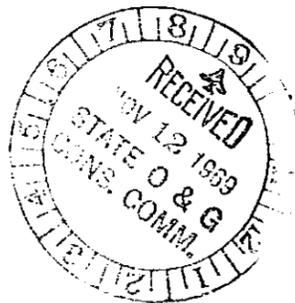
<u>OPERATION</u>	<u>TIME</u>	<u>BF</u>	<u>% OIL</u>	<u>%WTR.</u>	<u>% EMUL.</u>
Flowing(3/4" choke)	8- 9 AM	10	50	48	2
Flowing	9-10	8	50	--	--
(Could not raise rig.)					
Swabbing (SD 4600')	10-11	10	30	10	60
Swabbing	11-12	12	50	25	25
Swabbing	12- 1	10	50	25	25
Swabbing	1- 2	8	50	25	25
Swabbing	2- 3	8	50	30	20
Swabbing	3- 4	8	50	30	20
Swabbing	4- 5	7	50	35	15

Flowed 14 hrs., total of 78 BF, FTP 70 psi on 32/64" choke.

9/28/69: Flowed 118 BF total, 70% oil (82.6 BO + 35.4 BW). FTP 0 - 250 psi on 32/64" choke

9/29/69: This AM FTP = 60 psi (0 - 250 psi range). 87 BF in 25 hrs. on 32/64" choke. 80 % oil (69.5 bbls.), and 20% wtr. (17.5 bbls.). Preparing to acidize with 4000 gals. mud acid.

9/30/69: Acidized well w/4000 gals. mud acid. Rate = 2 BPM at 0 - 100 psi. Displaced acid w/28 bbls. crude oil. Displacement rate = 3/4 BPM at 200 psi. ISI = 100 psi, 3-min. SI = 0 psi, 4-min. SI = vacuum. Ran swab. Tagged FL at 500. Heavy paraffin in tubing. Will cut paraffin this AM and swab well.



NAVAJO #3-3:

9/24/69: This 7:00 AM SITP (13 hrs.) = 650 psi, CP zero. Casing loaded w/ water. Opened tubing at 7:30 AM, well started flowing. FTP 100 psi on 3/4" choke (30 min.).

	<u>TIME</u>	<u>OPERATION</u>	<u>FTP</u>	<u>BF</u>	<u>% OIL</u>	<u>CUM. WTR. OVER LOAD</u>
(AM)	9:00-10:00	Flowing	25-175	28	20%	112 Bbls.
	10:00-11:00	Flowing	50-100	20	20%	128 Bbls.
	11:00-11:30	Flowing	0-100	10	20%	136 Bbls.

J-perf. 4698-4708' (11:30 AM - 12:30 PM). Reset packer at 4667', tailpipe at 4702' w/15,000#.

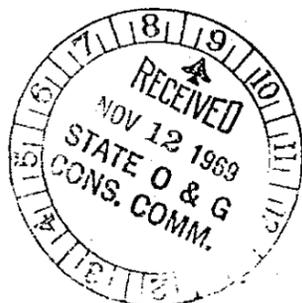
(PM)	12:30- 1:30	Flowing	0-125	12	10%	147 Bbls.
	1:30- 2:30	Flowing	0-125	15	10%	160 Bbls.
	2:30- 3:30	Swabbing (2 pulls from 4000')	--	20	20%	176 Bbls.
	3:30- 4:30	Swabbing (2 pulls from 3500')	--	18	20%	190.5 Bbls.
	4:30- 5:30	Swabbing (2 pulls from 3500')	--	20	20%	206.5 Bbls.
	5:30- 6:30	Swabbing (2 pulls from 3500')	--	17	20%	220.5 Bbls.

Will continue to swab well today.

9/25/69: Flowed and swabbed well as follows (hourly gauges):

<u>OPERATION</u>	<u>CHOKE</u>	<u>FTP</u>	<u>BF</u>	<u>% OIL</u>
Flowing	3/4"	100	25	20
"	"	75	18	20
"	"	20-100	18	20
"	"	0-100	18	20

Raised retrievable bridge plug to 4731'. Reset packer at 4667'. Swabbed well dry to 4600' in 2 hrs. Recovered 10 BF, 100% water. Preparing to test retrievable bridge plug and acidize perfs. 4698-4706' this AM.



NAVAJO #3-3:

9/20/69: PBTD = 4850' KB. Perforated 4837-43' (Frac-Finder Log) w/2 JSPF. Ran tubing and packer. Tailpipe at 4844', and packer at 4783'. Swabbed well to 4750'. No fluid rise. Will acidize w/1000 gals. 15% HCl acid this AM.

9/21/69: Tagged FL w/swab at 3850'. Swabbed from 4780', recovered 6 BW w/scum of oil. Waited 30 min., tagged FL at 4780'. Treated well w/1000 gals. 15% HCl acid. Treatment rate = 1 to 1-1/2 BPM at 0 psi. Displaced acid w/40 BW. Hourly swab results after treatment as follows:

<u>BBLs. FLUID</u>	<u>% OIL</u>	<u>FLUID LEVEL</u>	<u>SWAB DEPTH</u>
24	Tr.	3000'	4780'
10	4	3500'	4780'
13	5	3300'	4780'
14	5	3500'	4780'
12	6	3300'	4780'
18	5	3300'	4780'
16	5	3300'	4780'

9/22/69: Ran swab. Tagged FL at 2000'. Pulled swab once, recovered water with a scum of oil. Pulled tubing and packer. Rigged up wireline unit. Set Baker CIBP at 4825'. Tested casing to 500 psi., test OK. Perforated 4746-56' and 4698-4706' (Frac-Finder Log) w/ 2 JSPF. Ran tubing w/ Model "R" packer and Model "C" retriever bridge plug. Set retriever bridge plug at 4792', packer at 4730', and tailpipe at 4765'. Swabbed well to 4730', waited 30 min., and tagged fluid at 4730'. Preparing to acidize perforations: 4746-4756'.

9/23/69: Started rig up at 8:00 AM. Tagged fluid with swab at 4463'. Swabbed tubing dry to 4700'. Hooked up Dowell, loaded annulus with 15 BSW. Annulus went on vacuum. Upper Desert Creek perf. taking fluid. Loaded tubing with 1000 gals. 15% MCA and 2000 gals. 15% HCl. Spotted acid across Lower Desert Creek perf.: 4746-56', and closed packer by-pass. Pressured up on tubing to 400 psi and perf. started taking fluid. Pressure decreased immediately to zero and well went on vacuum at rate of 2 BPM. Followed above 3000 gals. acid (26 bbls.) with 27-1/2 BSW. Job completed at 9:57 AM. Rigged up swab at 10:10 AM. Swabbed well 9 hrs., FL remaining 3500' down. Swabbed total 9 hrs., rec. 128 BF (100 BW + 28 BO). This AM SITP (14 hrs.) = 225 psi, CP = zero. Opened well up and well started flowing. After 30 min. of flowing, TP had build-up from 225-275 psi on 3/4" choke. Preparing to open by-pass on packer. Will move packer above all perf's. to test and evaluate Desert Creek zones.



NAVAJO #3-3:

- 9/11/69: Days 16. Depth 4855' (loggers depth 4853'). Ran IES, Gamma Ray, Acoustic and Microsiesmogram logs with Welx. Went in hole with drill pipe, circulated and conditioned mud. Finished out of hole laying down drill pipe at 8 AM.
- 9/12/69: TD 4853'. Started in hole with casing at 8 AM 9/11/69. Ran 113 jts. 5-1/2", 14#/ft. casing. Set at 4852'KB. Cemented first stage with 148 sacks 50/50 Pozmix containing 12.5#/sack Gilsonite and 10#/sack salt. Plug down at 3:10 PM. Bumped plug with 2000 psi. Released pressure and plug held OK. Opened D. V. at 2540' at 3:30 PM. Circ. from 3:30 PM to 7:30 PM. Cemented second stage thru D. V. tool at 2540' with 140 sacks Halliburton light cement. Closed D. V. tool at 8:00 PM with 1500 psi. Released pressure. Tool held OK. Rig released at 12 Midnight. Present operation waiting on rotary rig to move off location.
- 9/13/69: Waiting on completion unit.
- 9/14/69: Waiting on completion unit.
- 9/15/69: Moving rotary rig out today. Waiting on completion unit (expect to move in Tues. AM).
- 9/16/69: Flowline laid from battery to well. Set dead men. Completion rig moving in this AM.
- 9/17/69: On location at 11:00 AM, w/completion rig. Rigged up and set BOP. Tally 4850' 2-7/8" E. U. E. Cond. "A" tubing. Ran bit & scraper on 82 jts. 2-7/8" tubing. Tagged cement at 2545'. Pressured up to 1000 psi on 5-1/2" casing -- held OK. Drilled D. V. and 10' soft cement. Circulated hole clean. Re pressured to 1000 psi -- no leaks. Shut down for night.
- 9/18/69: On location at 7:00 AM. Drilled 2' cement, float collar at 4808', and 41' cement to PBTD at 4850'. Tested casing to 1000 psi. - tested OK. Circulated hole clean w/salt water. Pulled tubing and bit. Shut down for night. Rigged up wireline unit. Now running cement bond log.
- 9/19/69: Rigged up Welx. Tagged TDPB at 4840'. Ran Cement Bond and Gamma-Ray Correlation logs. Have good bonding over planned perforations. Rigged down Welx. Went in hole with bit and drilled cement from 4840 - 4845'. Tagged float shoe at 4845'. Circulated hole clean. Pulled out of hole and shut down for night. Will perforate Akah from 4837-4843' this AM with 2 JSPF.



qu

NAVAJO #3-3:

9/9/69: Days 14. Depth 4851'. Drilled 78' in 9-1/2 hrs. Bit #15 in at 4773', out at 4851'. MW 9.0, Visc. 41, WL 6.8, FC 2/32, ph 10.5. Pres. Oper.: Coming out of hole for DST #3 4800 - 4851'. Circ. and condition hole from 5 AM to 7:30 AM.

DST #2 - 4725-4773'

Pre-flow 30 min. - immediate strong blow.

SI 30 mins.

Open 3 hrs. - immediate strong blow.

GTS - immediate

After 30 mins - gauged 28 Mcf

After 60 mins. - " 18 Mcf

Recovered 1070' Total fluid

120 HGCM

710 Oil

240 WC oil

HH 2267-2267

FP 175-175 - 30 mins.

ISIP 1227 - 30 mins.

FP 175-395 - 180 mins.

FSIP 1227 - 60 mins.

Probably plugged in 2nd hr.

BHS. Rec. 865 cc oil -

535 cc Wtr.,

1.385 cf gas., total

1400 cc of fluid. Oil

gvt. 39° API @ 77°F.

Rw. = .21 @ 80°F.

17,000 ppm.

9/10/69: Days 15. Depth 4855'. Drilled 4' in 1/4 hrs. MW 9.1, Visc. 59, WL 7.6, FC 2/32, ph 9.5. Prep. to log at 7:30 AM. Ran DST #3 (4800-4851') Akah. 15 min. pre-flow - immediate strong blow.

30 min. ISI

120 min. flow - strong blow thru-out.

30 min. FSI

Recovered 186' gas cut mud.

120' gas and oil cut mud

394' highly gas and oil cut mud.

230' highly gas and oil cut water.

930' total recovery.

Pressures:

IHP 2354 psig.

15 min. PF 175/219 psig.

ISI 1401 psig

FF 307/439 psig

FSI 1271 psig

FHP 2311 psig

Sampler:

300 psig chamber press.

contained 0.873 cf. gas, 1,400 cc

mud, 200 cc water. Rmix = 0.234

@ 82°F, ppm Cl. = 15,000

Rw from pipe = 0.212 @ 82°F.



4c

NAVAJO #3-3:

- 9/3/69: Days 8. Depth 4162' (272' in 17-1/2 hrs.). Bit #9 in at 3746', out at 4018' (272' in 17-1/2 hrs.). MW 9.1, Visc. 39, WL 11.6, FC 2/32, ph 9.5. Dev. 1° at 4018'.
- 9/4/69: Days 9. Depth 4303' (141' in 16-1/4 hrs.). Bit #10 drilled 188' in 14-3/4 hrs. Bit #11 on bottom (in hole at 4206'). MW 9, Visc. 43, WL 9.2, FC 2/32, tr. sd., ph 10. Dev. 3/4° at 4172'.
- 9/5/69: Days 10. Depth 4465' (162' in 20-1/4 hrs.). (3 hrs. trip time, 1/4 hr. washing, and 1/2 hr. rig repair.). Bit #11 out at 4315' (108' in 13-1/2 hrs.). MW 9, Visc. 44, WL 9.2, FC 2/32, tr. sd.
- 9/6/69: Days 11. Drilling @ 4645' w/Bit #13. Bit #12 in @ 4314, out @ 4465' (151' in 18-1/2 hrs.) Dev. @ 4445 = 1°. MW 9.1, Visc. 48, WL 9.6, FC 2/32. Strapped at 4506' (-5' correction).
- 9/7/69: Days 12. Depth 4696' (51' in 7 hrs.) Bit #13 drilled 231' in 26-1/4 hrs. Lost circ. at 4696'. Lost est. 300 Bbls. mud. MW 9.0, Visc. 40, WL 7.6, FC 2/32, Tr. Sd.

DST #1 4681'-96' 30 Min. IF opened w/good blow and remained good thru-out test. 30 Min. ISI. Opened for 180 Min. FF w/good blow. Gas to surface in 2 hrs., TSTM. FSI 60 min. Rec. 1680' VH GC & SI OC Mud.

IH 2429
 FH 2436
 IF 264-440
 ISI 1573
 FF 483-791
 FSI 1443

Sampler recovery - 2200 CC drilling mud. $R_w = 1.34$ @ 85°F, chamber pressure 500 psi. 0.227 cf gas - non-combustible.

- 9/8/69: Days 13. Depth 4773'. Drilled 77' in 8-1/4 hrs. Bit #14 in at 4696, out at 4773'. MW 9.0, Visc. 52, WL 9, FC 2/32, ph 8.5. 8-1/4 hrs. drilling, 1/4 hr. cleaning, 1-1/2 hr. rig repair 14 hrs. Testing -

DST #2 in Desert Creek 4725-4773'. Pres. Oper. Testing.

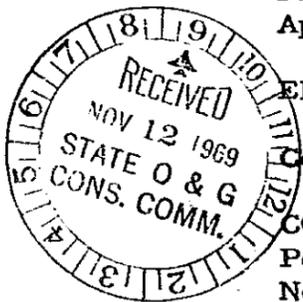




Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1360 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

Well: Navajo #3-3
SW SW Sec. 3, T41N-R28E
Apache County, Arizona



Elev. 5383' Ungr. Gr.

Contractor: Loffland Bros. Co.

COG's Interest: 100% (King,
Polumbus & Petro-Lewis went
Non-Consent)

- 8/26/69: Moving in rotary rig.
- 8/27/69: Finished rigging up rotary rig. Spudded 12-1/4" surface hole at 12:01 AM, 8/27/69. Finished hole at 8:00 AM, 8/27/69. Days 2. Depth 316'. Drilled 316' in 8 hrs. Present operation: coming out of hole to run 8-5/8" 24# surface casing.
- 8/28/69: Days 2. Depth 657' (341' in 4-1/4 hrs.). Bit #2 in at 316' -- now drilling. MW 8.8, Visc. 31, 3/4° dev. at 293'. WOC 12 hrs. Drilling out at 1:30 AM, 8/28/69. Started in hole w/8-5/8" surf. casing at 8:30 AM. Ran as follows: 1 guide shoe, and 3 centralizers (at top, at 225', and at 135'). Ran 11 jts. 8-5/8" o.d. 8 rd. 24# J-55 casing, total of 329' set at 320' KB. Cemented w/65 sx Halliburton lite and 100 sx regular cement w/2% CaCl and 1/4#/sx Flocele. Plug down at 10:20 AM, 8/27/69. Good returns on cement.
- 8/30/69: Days 4. Depth 2637'. Bit #3 (7-7/8" DGJ) in at 1484', out at 2345' (861' in 14 hrs.). MW 9, Visc. 35, WL 10.4, FC 2/32, tr. sd., ph 9.5. Bit #4 in at 2345', out at 2442' (97' in 5-1/2 hrs.). P.O.: drilling.
- 8/31/69: Days 5. Depth 3161' (464' in 20-1/2 hrs.). Bit #4 drilled 107' in 5-1/4 hrs.; Bit #5 drilled 307' in 14 hrs. Dev. 3/4° at 2712', 1-1/4° 3147'. MW 9, Visc. 36, WL 10, FC 2/32, 5% solids, tr. sd.
- 9/1/69: Days 6. Depth 3535' (made 374'). Bit #6 out at 3161' (412' in 15-3/4 hrs.). Bit #7 in at 3161', out at 3495' (334' in 13-3/4 hrs.). Dev. 1-1/4° at 3459'. MW 9, Visc. 34, WL 10, FC 2/32, ph 9, tr. sd.
- 9/2/69: Days 7. Depth 3891' (356' in (?) hrs. Bit #8 in at 3495', out at 3746' (251' in 13-1/2 hrs. Dev. 1° at 3746'. MW 9.1, Visc. 36, WL 14.4, FC 2/32, ph 8.5.

9/2/69
10-514 - Driller's Log

Sept. 10 1969



4v Samples from the Consolidated O & G
Navajo 3-41-28-1
Sec. 3-41N-28E
Apache Co. Arizona

were received this date.

Jo Ratcliff
Four Corners Sample Cut

WELL SITE CHECK

By JES
Date 9-5-69

Contractor LOFFLAND

Person(s) Contacted Ken Jole (geologist)

Spud date 8-27-69

Type Rig Rotary Cable

Present Operations Drilling 4517

Samples _____

Pipe _____

Drilling with Air Mud WT 9.1
Vis 38

Water Zones _____

Size Hole _____

Lost Circ. Zones _____

Size Drill Pipe _____

Formation Tops Hermosa 3905

Type Bit _____

Cores, Logs, DST _____

No. Bit 13 Drilling Rate _____

Crews _____

Formation _____

Lithology _____

REMARKS, PHOTO, MAP

Set 8 5/8 @ 216' Drilling 4517
in Hermosa. (No Cores, No tests.)

WELL NAME Consolidated #3-13 Nov (226)

Permit No. 514
Confidential: Yes No

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL DEEPEN PLUG BACK

b. TYPE OF WELL OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR Consolidated Oil & Gas, Inc.

3. ADDRESS OF OPERATOR 1860 Lincoln Street, Suite 1300, Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface SW/4 SW/4, Sect. 3, T41N-R28E, 330' FSL & 520' FW
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
same 25 miles from Shiprock, New Mexico, or Montezuma Creek, Utah Apache Arizona

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 2, 352'

17. NO. OF ACRES ASSIGNED TO THIS WELL 80 (W/2 of SW/4)

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2165'

19. PROPOSED DEPTH 5700'

20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5383' Ungr. GL

22. APPROX. DATE WORK WILL START* August 25, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	32#	300'	100 sx
7-7/8"	5-1/2"	15.5#	5700'	600 sx

It is proposed to drill a 12-1/4" hole to approx. 300 feet, set and cement 8-5/8" casing at approx. 300 feet, and cement to surface. A 7-7/8" hole will be drilled to an estimated TD of 5700 feet, 5-1/2" casing will be set at approx. 5700 feet and cemented with 600 sx of cement in two stages. Formations to be penetrated include: Desert Creek, Akah, and Lower Pennsylvanian. A mud weighing approx. 9.2 lbs./gal. will be employed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED D. E. Smink TITLE Petroleum Engineer DATE 8/19/69
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE 514 DATE _____
CONDITIONS OF APPROVAL, IF ANY:



12

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

CONSOLIDATED OIL & GAS, INC.

NAME OF COMPANY OR OPERATOR

1860 Lincoln Street, Denver, Colorado, 80203, Suite 1300

Address

City

State

Loffland Bros. Co.

Drilling Contractor

608 Midland Savings Building, Denver, Colorado 80202

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor Navajo #7	Well number Nav. #4 (3-41-28-13)	Elevation (ground) 5383' (Ungr. Gr.)
Nearest distance from proposed location to property or lease line: 330	Distance from proposed location to nearest drilling completed or applied-for well on the same lease: 2,165	
Number of acres in lease: 2352	Number of wells on lease, including this well, completed in or drilling to this reservoir: Five	

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

Shell Oil Co. Los Angeles, Calif.

Well location (give footage from section lines) Section—township—range or block and survey Dedication (Comply with Rule 105)
330' FSL & 520' FWL Sect. 3, T41N-R28E W/2, SW/4

Field and reservoir (if wildcat, so state) County
East Boundary Butte - Hermosa Apache

Distance, in miles, and direction from nearest town or post office
25 miles from Shiprock, New Mexico, or Montezuma Creek, Utah

Proposed depth: 5700'	Rotary or cable tools rotary	Approx. date work will start August 25, 1969
Bond Status performance	Organization Report On file XX Or attached	Filing Fee of \$25.00 Attached Check No. 04941

Remarks:
It is proposed to drill to a total depth of approximately 5700' to test the Desert Creek, Akah, and Lower Pennsylvanian. A mud weighing approximately 9.2 lbs./gal. will be employed

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am ~~not~~ a **Petroleum Engineer** of the **Consolidated Oil & Gas, Inc.** (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

D. E. Smink
D. E. Smink

Date

August 19, 1969

Permit Number: **514**
Approval Date: **8-25-69**
Approved By: *John J. Bannister*

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

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

Form No. 3



- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- 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.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- 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
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	--	Land Description	--
	--		--

<p>R 28 E</p>	<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 D. E. Smink</p> <p>Position Petroleum Engineer</p> <p>Company Consolidated Oil & Gas, Inc.</p> <p>Date August 19, 1969</p> <p>T 4 1</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>See attached location plat.</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

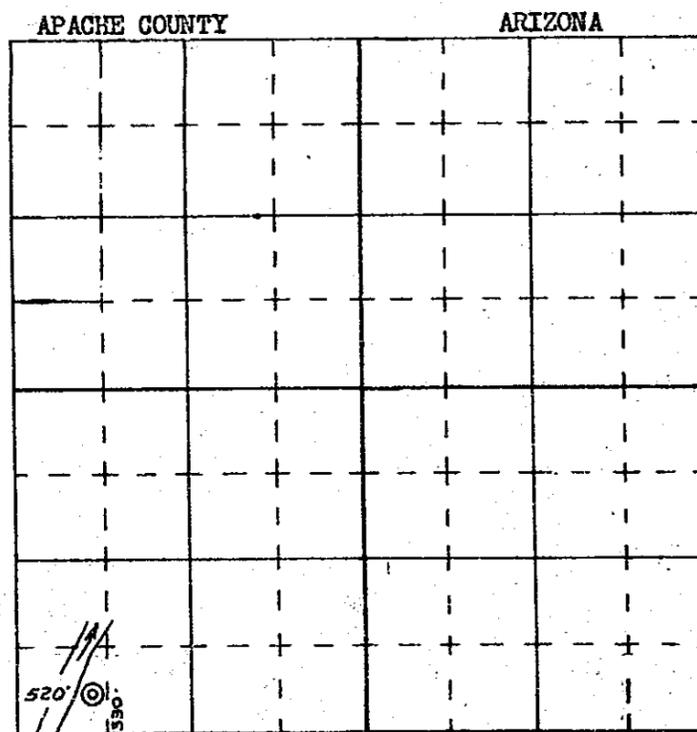
COMPANY CONSOLIDATED OIL & GAS, INC.

LEASE _____ WELL NO. _____

SEC. 3 T. 41 NORTH R. 28 EAST, G. & S. R. M.

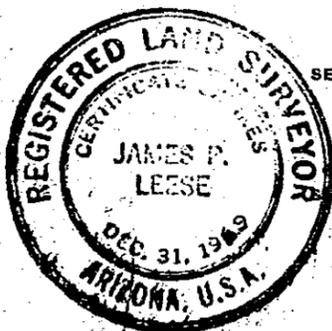
LOCATION 330 feet from the South line and 520 feet from the West line

ELEVATION 5383.0



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



SEAL:

James P. Leese
Registered Land Surveyor.
JAMES P. LEESE
Ariz. Reg. No. 1849

SURVEYED 16 August 19 69

514

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.





PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: Consolidated Oil & Gas, Incorporated
(OPERATOR)

to drill a well to be known as

Consolidated Oil & Gas #1 Navajo
(WELL NAME)

located 330' FSL - 520' FWL

Section 3 Township 41N Range 28E, Apache County, Arizona.

The W/2 SW/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 AUGUST, 19 69.

OIL AND GAS CONSERVATION COMMISSION

By John J. Summers
EXECUTIVE SECRETARY

PERMIT No 514

RECEIPT NO. 9596
API NO. 02-001-20114

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED



Oil and Gas Conservation Commission

STATE OF ARIZONA

5150 N. 16th STREET, SUITE B-141
PHOENIX, ARIZONA 85016
PHONE: (602) 255-5161

September 5, 1990

T. Greg Merrion, Production Engineer
Merrion Oil & Gas Corporation
P. O. Box 840
Farmington, NM 87499

P/N 22, 28, 49, 514, 515

RE: R12-7-183, Certificate of compliance and authorization to transport

Dear Mr. Merrion:

I noticed from your production report that you have changed the transporter of oil from the East Boundary Butte field in Arizona effective June 1990.

Please be advised that this change requires you to file a new "certificate of compliance and authorization to transport oil or gas from lease". I have enclosed a copy of the pertinent rule (R12-7-183) and two copies of form 8 for your use.

We appreciate your cooperation in this matter.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Specialist

Enclosures

MERRION OIL & GAS CORPORATION

610 REILLY AVE. • P. O. Box 840
FARMINGTON, NEW MEXICO 87499

RECEIVED PH. 505-327-9801

NOV 24 1986

O & G CONS. COMM.

November 20, 1986

Arizona Oil & Gas Conservation Commission
3110 N. 19th Avenue, Suite 190
Phoenix, Arizona 85007

Attention: Rudy Ybarra

Re: Well Status
East Boundary Butte
Apache Co., Arizona

Dear Mr. Ybarra:

Enclosed please find the "Notice of Intent to" and "Subsequent Report of" sundry notices for the plugging and abandonment of the Navajo 23-11 and the Navajo 2-11. Both wells are located in Section 11, T41N, R28E in Apache Co., Arizona.

The following is a list of the status of the wells which Merrion Oil and Gas operates in the East Boundary Butte Field, Apache Co., Arizona:

LEASE	WELL NAME	STATUS
14-20-603-226	Navajo No. 2 22- Navajo No. 2-13 451 Navajo No. 3-3 514 Navajo No. 3-11 450	SI Gas Well P & A SI SI
14-20-603-227	Navajo No. 2-11 518 Navajo No. 23-11 67	P & A P & A
14-20-603-412	Navajo No. E-1 558	P & A
14-20-603-413	Navajo No. 1 28 Navajo No. 3 515	Pumping Oil Well Salt Water Disposal

also 2 Navajo E

If you need any additional information, please advise.

Respectfully yours,

MERRION OIL & GAS CORPORATION

T. Gregory Merrion
T. Gregory Merrion, Production Engineer

TGM/am

Enc.

February 3, 1978

Mr. Robert R. Rosnik
Consolidated Oil and Gas, Inc.
1860 Lincoln Street
Denver, Colorado 80295

Re: Blanket Performance Bond USF&G 31380-13-99-68

Dear Mr. Rosnik:

Consolidated Oil and Gas, Inc., has complied with all the rules and regulations of the Arizona Oil and Gas Conservation Commission. Therefore, I am authorized to release Consolidated Oil and Gas, Inc., from all responsibilities under this bond.

USF&G is being notified by the Oil and Gas Conservation Commission, by copy of this letter, of the release of the bond.

Very truly yours,

W. E. Allen
Director
Enforcement Section

WEA/vb

cc - USF&G

We do not have the address of the issuing office of the referred bond, therefore we are asking you to forward USF&G's copy of this letter to the correct office.

514

Operator Consolidated Oil & Gas, Inc.

Bond Company U.S.F. & G. Amount 25,000

Bond No. 31380-13-99-68 Date Approved 2-13-68

Permits covered by this bond:

22

69

481

488

490

514

524

528

37

518

CANCELLED

DATE 2-2-79 *wal*

*SEE FILE 518 FOR
CANCELLED BOND* DATE

CANCELLED

February 5, 1976

Mr. J. Gregory Merrion
Merrion & Bayless
P. O. Box 1541
Petroleum Club Plaza
Farmington, NM 87401

RE: U. S. Fidelity & Guaranty Company
Surety Bond #01-0130-972-74

Dear Greg:

Back on October 23, 1974, you requested your surety, USF&G, to notify you of their acceptance of the wells that you had recently taken over from Consolidated Oil & Gas. A check of our files indicates that USF&G never responded to your request.

We have received a request for cancellation of a bond that technically still covers some wells that you as operator have also covered under the above referenced bond. Before, we can comply with the request for the release of this bond, we must have a written statement from USF&G assuming bonding responsibilities of these wells.

Will you please have USF&G write this Commission agreeing to assume bonding responsibilities for all the wells that you operate in this state. The reason that this acknowledgement from USF&G is necessary is because this blanket bond states, "any and all oil and gas wells drilled within the state of Arizona". Our opinion is that legally USF&G could claim that only wells actually drilled by you were covered under Bond #01-0130-972-74.

We will appreciate your cooperation in this matter.

Sincerely,

W. E. Allen, Director
Enforcement Section

WEA/si

514



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

February 7, 1975

Mr. Robert L. Bayless
Petroleum Club Plaza Building
P. O. Box 1541
Farmington, New Mexico 87401

Re: East Boundary Butte Commingling

We fully concur with Mr. G. R. Daniel's letter of December 26, granting permission to commingle at the surface of production in the Dineh-bi-Keyah Field. As you have mentioned, it will be necessary to meter the produced gas at each well and monthly production tests will be adequate to determine the oil production from each lease.

You mentioned that your plans are to convert the Consolidated No. 3-11 well, Permit No. 490, into a water disposal well. It will be necessary that you receive permission from this Commission prior to this conversion.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Robert L. Bayless
PETROLEUM CLUB PLAZA BUILDING
P. O. BOX 1541
FARMINGTON, NEW MEXICO 87401

February 4, 1975

State of Arizona
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

ATTENTION: Mr. W. E. Allen
Director

Re: East Boundary Butte Commingling

Dear Bill:

Enclosed please find a copy of our letter of October 21, 1974 requesting approval from the United States Geological Survey to commingle production from four Navajo leases and the reasoning behind the request. Also enclosed is a copy of the United States Geological Survey reply approving this request subject to approval by your Commission.

Please consider this a request to commingle the oil and gas produced as set forth in the letter of October 21, 1974.

Yours truly,

MERRION & BAYLESS


Robert L. Bayless

RLB/su

Enclosures: Letter to U.S.G.S. dated October 21, 1974
Letter from U.S.G.S. dated December 26, 1974

RECEIVED

FEB 06 1975

O & G CON. COMM.

October 21, 1974

United States Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

ATTENTION: Mr. Phil McGrath

Re: Request for Permission to Co-
mingle Production from Four
Navajo Leases, East Boundary
Butte Field, Apache County, Arizona.

Gentlemen:

We have heretofore operated the Navajo (14-20-603-413) and Navajo E (14-20-603-412) leases in Apache County, Arizona with production going to parallel tank batteries at a location in the SW/4 of the NE/4 Section 10, T41N, R26E.

We have recently acquired the Consolidated Oil & Gas properties on Navajo leases 14-20-603-226 and 14-20-603-227.

With five wells currently producible, there is a necessity for four tank batteries; each with a great amount of equipment.

Operating costs in this field have been extremely high due to:

1. The necessity to lift large quantities of water to produce either gas or oil.
2. Water disposal expense.
3. Scale and corrosion of flow lines and heater treaters.
4. High gathering and compression costs of natural gas produced.

The continued production from the field depends upon streamlining the operation and getting a better price for the gas. We have negotiated a better gas price and provided we can get FPC approval, we would like to re-vamp the flow line, compressor and tank battery facilities as per the attached plat.

RECEIVED

FEB 05 1975

O & G CONS. COMM.



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

December 26, 1974

Mr. J. Gregory Merrion
P. O. Box 507
Farmington, New Mexico 87401

*Approval to
Comingle EBB*

Dear Mr. Merrion:

Your letter of October 21, 1974 requests approval to commingle production on leases 14-20-603-412, -413, -226, and -227 located in secs. 1, 2, 3, 4, 10, 11, 12, 13, 14, 15 and 16, T. 41 N., R. 28 E., East Boundary Butte field, Apache County, Arizona.

As set forth in your request, the expense of operating the field does not justify the duplication of equipment and its maintenance. One tank battery would be located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 41 N., R. 28 E., and one compressor set in the SW $\frac{1}{4}$ sec. 2. One oil-gas separator would be set at each well where gas would be metered separately and oil volumes would be allocated back to each well based on monthly tests of each well. The working interest and royalty interest on the four leases are identical.

The method of commingling production is hereby approved subject to like approval by the Arizona Oil and Gas Commission. Any change in this system must receive prior approval from this office. Form 9-361-A, "Lessee's Monthly Report of Sales and Royalty", must show all computations used in oil production allocated to each well.

You are requested to notify the Farmington office when the installation has been completed so that a field inspection can be made.

Sincerely yours,

G. R. DANIELS
Acting Area Oil and Gas Supervisor



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

October 28, 1974

Mr. J. Gregory Merrion
Petroleum Engineer
P. O. Box 507
Farmington, New Mexico 87401

Re: East Boundary Butte Field, Apache County, Arizona

Dear Greg:

If you receive approval from the U.S.G.S. and the Navajo Tribe, this Commission has no objections to the two proposals that you mentioned in your letter of October 23, 1974.

We are enclosing copies of our Form No. 15. It will be necessary that you complete this form in its entirety and return two copies to this Commission for our approval. We will also require a diagrammatic sketch of your down-hole installation for this disposal well.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

Encs.

#514

OFF. 328-0181
REG. 327-8094

J. GREGORY MERRION
PETROLEUM ENGINEER
P. O. BOX 807
FARMINGTON, NEW MEXICO 87401

October 23, 1974

State of Arizona
Oil and Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

ATTENTION: Mr. W. E. Allen
Director

Re: East Boundary Butte Field
Apache County, Arizona

Dear Bill:

Excuse my delay in answering your letter of September 23.

We have requested our surety, USF&G, to notify you of their acceptance of the following wells to be covered under our bond with them:

Navajo Tribal #2	SE 1/4	NE 1/4	Sec. 3	T41N, R20E	22
Navajo Tribal #3-3	SW 1/4	SW 1/4	Sec. 3	T41N, R20E	514
Navajo Tribal #3-11 ³⁻⁴	NE 1/4	SW 1/4	Sec. 3	T41N, R20E	490
Navajo Tribal #3-11	SW 1/4	NE 1/4	Sec. 11	T41N, R20E	518
Navajo Tribal #23-11	NE 1/4	SW 1/4	Sec. 11	T41N, R20E	69

The above wells all being in Apache County, Arizona and effective date of our taking over operations being September 1, 1974.

Enclosed please find a xerox copy of a letter to the U.S.G.S. requesting permission to commingle production in one test battery to be located in the NE 1/4 SW 1/4 of Section 3. Also enclosed please find a copy of the Federal Sundry Notice requesting approval to convert the 3-113-4 well to salt water disposal in the Mississippian-Devonian interval.

RECEIVED

OCT 25 1974

O & G CONS. COMM.

22,69,490, (514), 518

J. GREGORY MERRION
PETROLEUM ENGINEER

Oil and Gas Conservation Commission
October 23, 1974
Page 2

After reviewing these, we would appreciate your advising (1) if our proposal for commingling will be acceptable to the State of Arizona with monthly tests of each well to determine the monthly split in lieu of the actual measurement required by Rule #308, and (2) whether a hearing will be necessary for the salt water disposal well conversion or whether this can be done administratively.

Thank you for your advice on the above matters.

Yours very truly,

MERRION & BAYLESS

By


J. GREGORY MERRION

JGM/su

Enclosures: Letter to U.S.G.S. dated October 21, 1974
Federal Sundry Notice, Navajo Tribe 3-11 Well dated October 22, 1974.
Flowline Plat

RECEIVED

OCT 25 1974

O & G CONS. COMM.

October 21, 1974

United States Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

ATTENTION: Mr. Phil McGrath

Re: Request for Permission to Co-
mingle Production from Four
Navajo Leases, East Boundary
Butte Field, Apache County, Arizona.

Gentlemen:

We have heretofore operated the Navajo (14-20-603-413) and Navajo E (14-20-603-412) leases in Apache County, Arizona with production going to parallel tank batteries at a location in the SW/4 of the NW/4 Section 10, T41N, R28E.

We have recently acquired the Consolidated Oil & Gas properties on Navajo leases 14-20-603-226 and 14-20-603-227.

With five wells currently producible, there is a necessity for four tank batteries; each with a great amount of equipment.

Operating costs in this field have been extremely high due to:

1. The necessity to lift large quantities of water to produce either gas or oil.
2. Water disposal expense.
3. Scale and corrosion of flow lines and heater treaters.
4. High gathering and compression costs of natural gas produced.

The continued production from the field depends upon streamlining the operation and getting a better price for the gas. We have negotiated a better gas price and provided we can get FPC approval, we would like to re-vamp the flow line, compressor and tank battery facilities as per the attached plat.

RECEIVED

OCT 25 1974

United States Geological Survey
October 21, 1974
Page 2

Under this plan we can utilize existing flow lines to the maximum extent, and by adding a small amount of additional flow line, we can separately gather gas and fluid in separate lines. Hopefully, we can back pressure against the wells, eliminate flow line turbulence thus reducing scale and paraffin problems and increase compressor suction pressure thus reducing horsepower requirements.

The new tank battery will be located in the NE/4 of the SW/4 of Section 3 (near the old Consolidated 3-11 well, which will be converted to disposal). A new compressor site will be erected in the SW/4 of Section 2 replacing the two existing sites.

Oil-gas separators will be installed at each well and gas will be metered before commingling. Oil will be accounted for by monthly tests of each well.

We would appreciate your consideration and approval of this plan.

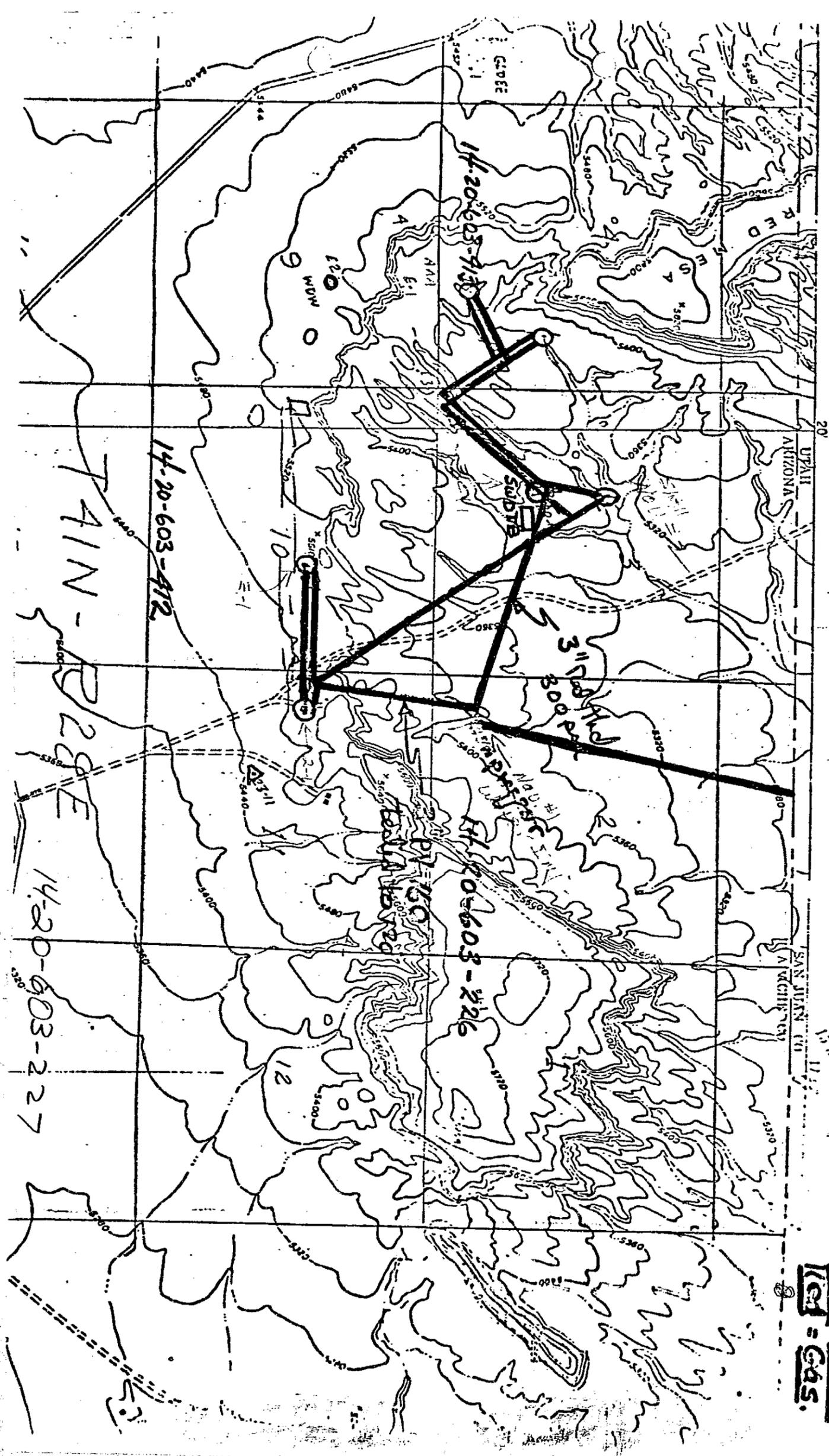
Yours very truly,

MERRION & BAYLESS

Original Signed
J. Gregory Merrion
By J. GREGORY MERRION

JGM/su

Enclosure



21

GREEN-FLUID
100 = GAS.

14-20-603-412
TAIN-228E
14-20-603-227

14-20-603-412

14-20-603-226

31500
3000

SAN JUAN CO

UPAH ARIZONA

GRID

SUDYB

PI 750

120

9

10

11

12



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

September 27, 1974

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

Re: COG #1 & 2
Apache County, Arizona

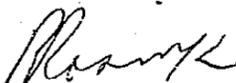
Dear Mr. Allen:

Enclosed per your letter request of September 23, 1974 are Designation of Operator forms executed by Consolidated naming J. Gregory Merion and Robert L. Bayless operator of Navajo Leases 14-20-603-226 and 14-20-603-227 covering all the lands in Apache County, Arizona under those two leases.

If there is anything additional you require, please let me know.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.


Robert R. Rosnik

RRR:da
Enclosures

RECEIVED

SEP 30 1974

O & G CONS. COMM.



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

September 23, 1974

Mr. J. Gregory Merrion
Merrion & Bayless
P. O. Box 1541
Farmington, New Mexico 87401

Re: Navajo Tribal #2 Navajo #23-11 Consolidated #3
 Sec 3-T41N-R28E Sec 11-T41N-R28E Sec 3-T41N-R28E
 Permit No. 22 Permit No. 69 Permit No. 490

Consolidated Navajo #3-3 Consolidated Navajo #2-11
 Sec 3-T41N-R28E Sec 11-T41N-R28E
 Permit No. 514 Permit No. 518

Dear Greg:

We have been informed by Consolidated that you are now the operators of the above referenced wells. For our records, will you please confirm your take over of these wells listing the well number, legal description and the effective date of the take over.

If it is your intention for these wells to be placed under your existing bond, it will be necessary for your surety company to notify this office that they are accepting these wells to be covered under your bond. It will also be necessary for your surety to specifically describe the wells as to their name and legal description.

I sincerely hope that you people will be able to improve the production on this group of wells.

Very truly yours,

Bill

W. E. Allen, Director
Enforcement Section

WEA/rlb



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

September 23, 1974

Mr. J. D. Smothermon
Manager, Operator
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Navajo Tribal #2 Navajo #23-11 Consolidated #3
 Sec 3-T41N-R28E Sec 11-T41N-R28E Sec 3-T41N-R28E
 Permit No. 22 Permit No. 69 Permit No. 490

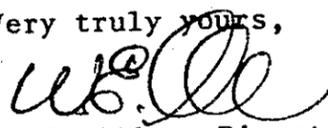
Consolidated Navajo #3-3 Consolidated Navajo #2-11
 Sec 3-T41N-R28E Sec 11-T41N-R28E
 Permit No. 514 Permit No. 518

Dear Mr. Smothermon:

We are attaching Designation of Operator forms for your use in officially notifying the Commission that the operation of the above referenced wells has been transferred to Merrion and Bayless of Farmington, New Mexico.

It would be appreciated if you would complete this form and return it to this Commission as quickly as possible.

Very truly yours,


W. E. Allen, Director
Enforcement Section

WEA/rlb

Encs.



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

May 1, 1974

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

Re: Navajo 3-3

Dear Mr. Allen:

We are in receipt of your inquiry dated April 1, 1974, on the Navajo 3-3 well in Apache County, Arizona.

We have requested permission of the other Joint Interest Owners to abandon all our wells and operations in the East Boundary Butte Field. Upon receipt of their permission, we will file the necessary Notices of Intent to Plug and Abandon, including one for the Navajo 3-3.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

Floyd E. Ellison, Jr.

Floyd E. Ellison, Jr.
Area Production Manager

FEE:lt

RECEIVED

MAY 02 1974

O & G CONS. COMM.

April 1, 1974

Mr. John J. Gergurich
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Navajo 3-3
SW/SW Sec 3-T41N-R28E
Apache Co., File #514

Dear Mr. Gergurich:

By our letter dated March 31, 1973, this Commission granted authority to leave the above referenced well in a temporary abandoned status until April 1, 1974. Since this authority has expired as of this date, please advise the Commission of your plans for the well.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/r1b



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

September 18, 1973

Mr. Wayne Rogers
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Dear Mr. Rogers:

Will you please supply this Commission with any information that you might have regarding the recoverable reserves in the East Boundary Butte Field for your Shell Navajo #2 (22), Navajo #2-11 (518), Navajo #3-3 (514) and Shell Navajo #23-11 (69); and also in the North Toh Atin Field for your Mobil Franco Wyo (32)?

This information will be considered confidential if you so desire.

Thank you for your cooperation.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb

March 30, 1973

Mr. John J. Gergurich
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Navajo 3-3
SW/SW Sec 3-T41N-R28E
Apache County
File #514

Dear Mr. Gergurich:

In regard to your letter dated March 26, 1973, concerning the temporary abandonment of the above referenced well, please refer to Rule 202, Section B of the Rules and Regulations of the Arizona Oil and Gas Conservation Commission.

This letter is your authority to temporarily abandon the subject well for a period of one year beginning April 1, 1973. If you desire to maintain this well in a temporary abandoned status after this period, please advise. Should you plan to change the status of this well for any reason, notify the Commission of your plans in advance of any workover, remedial, or plugging operations. Your cooperation is appreciated.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

March 26, 1973

State of Arizona
Oil & Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Attention: Mr. W. E. Allen

Re: Navajo 3-3
SW/SW Sec. 3, T41N, R28E
Apache County, Arizona
File #514

Gentlemen:

With reference to your letter of March 14, 1973, concerning the captioned well, please be advised that this well was temporarily abandoned December 3, 1972. The reason for abandonment was low oil production and a high WOR. We do not have any immediate plans for this well and intend it to be abandoned indefinitely.

If there are some Arizona State forms which we must complete and file with your office for this abandonment, please forward them to us so we may comply with your regulations.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

John J. Gergurich
John J. Gergurich
Production Supervisor

JJG:lt

RECEIVED

MAR 28 1973

O & G CONS. COMM.

21

March 14, 1973

Mr. D. E. Smink
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Navajo 3-3
SW/SW Sec 3-T41N-R28E
Apache County
File #514

Dear Mr. Smink:

Your January Production Report indicates the above referenced well to be temporarily abandoned. Please inform this Commission of your future plans for this well. If it is to remain in this status, you must make a formal request for a temporary abandonment and indicate the approximate time you expect the well to remain temporarily abandoned.

Thank you for your cooperation.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/rlb



LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

Consolidated Oil & Gas, Inc.

RECEIVED
MAY 10 5 1971
O & G CONS. COMM.

May 6, 1971

State of Arizona
Oil & Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Attention: Mr. James A. Lambert

Re: Navajo 3-3
SW SW Sect. 3-T41N-R28E
Apache County, Arizona

Gentlemen:

Please find attached the original and one copy of Form 25, reporting the details of the workover performed on the captioned well.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink
D. E. Smink
Petroleum Engineer

DES/cc

cc. The Navajo Tribe, Minerals Dept.
Attention: Mr. P. K. Hurlbut



WA
Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

March 18, 1971

State of Arizona
Oil & Gas Conservation Commission
4515 North 7th Avenue
Phoenix, Arizona 85013

Attention: Mr. James A. Lambert

Re: Navajo 3-3
SW SW Sec. 3-T41N-R28E
Apache County, Arizona

Gentlemen:

Please find attached the original and one copy of Form 25, signifying
our intention to rework the captioned well.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

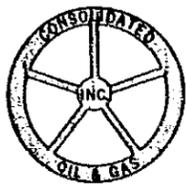
D. E. Smink

D. E. Smink
Petroleum Engineer

DES/cc

cc. The Navajo Tribe, Minerals Dept.
Attention: Mr. P. K. Hurlbut

RECEIVED
MAR 22 1971
O & G CONS. COMM.



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1850 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

December 31, 1969

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

Dear Mr. Bannister:

Enclosed please find the following:

✓ Form No. 5, "Well Status Report and Gas-Oil Ratio Tests" covering our Navajo 3-3 Well, East Boundary Butte Field, Apache County, Arizona.

Form No. 5, "Well Status Report and Gas-Oil Ratio Tests" covering our Navajo 3-11 Well, East Boundary Butte Field, Apache County, Arizona.

Form No. 6, "Potential Test and Request for Allowable - Oil Wells" covering our Navajo 2-11 Well, East Boundary Butte Field, Apache County, Arizona.

We would appreciate your sending us a supply of Forms No. 5 and No. 6. Thank you.

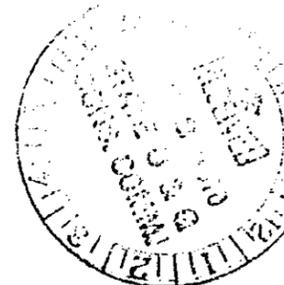
Yours very truly,

CONSOLIDATED OIL & GAS, INC.

R. L. Flowers, Jr.

R. L. Flowers, Jr.
Production Manager

RLF:lt
Enclosures



514

*A. Chiono
K. Lambert*

November 7, 1969

Mr. D. E. Smink
Consolidated Oil & Gas, Incorporated
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Consolidated #3-3 Navajo (226)
T41N, R28E, G & 8RM
Sec. 3: SW/4 SW/4
Apache County
Permit #514

Dear Mr. Smink:

Enclosed are Forms #5, Gas-Oil Ratio Tests. Please refer to Rule 301-A.

Yours truly,

Oil well - Not applicable.

James A. Lambert
Administrative Assistant

JAL:jd

Enc.

514



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

November 5, 1969

State of Arizona
Oil & Gas Conservation Commission
1624 West Adams - Room 202
Phoenix, Arizona 85007

Attention: Mr. James A. Lambert

Gentlemen:

Re: Navajo #3-3
SW SW Sec. 3, T41N-R28E
Apache County, Arizona

PL Please find enclosed the original and one copy of Form No. 4, reporting the completion details of the above-identified well.

Also enclosed are two copies of the electric logs.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink
D. E. Smink
Petroleum Engineer

DES/cc

Enclosures

cc. The Navajo Tribe, Minerals Dept.
Attention: Mr. P. K. Hurlbut



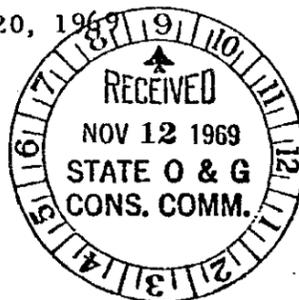
514



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

October 20, 1969



MEMORANDUM TO PARTICIPANTS:

Completion Report
Navajo # 3-3
SW SW Sec. 3-41N-28E
Apache County, Arizona

Enclosed for your files are the logs and completion report on the subject well.

If we can be of further assistance, please let us know.

Very truly yours,

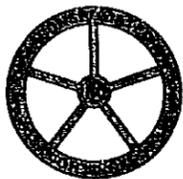
CONSOLIDATED OIL & GAS, INC.

Mike Walsh
M. H. Walsh
Chief Geologist

MHW/lcb

Enclosures

514



LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

Consolidated Oil & Gas, Inc.



September 19, 1969

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission
State of Arizona
Room 202, 1626 West Adams
Phoenix, Arizona 85007

Re: Off-lease Storage of Crude Oil
Navajo No. 3, East Boundary Butte Field
Apache County, Arizona

Dear Mr. Bannister:

514 Consolidated Oil & Gas, Inc. is presently completing the Navajo
No. 3 oil well located in the SW/4 SW/4, Section 3, T41N, R28E,
Apache County.

481 We have not been able to secure pipe line connections into the Four
Corners line, therefore it will be necessary to truck oil produced from
this well to the Red Mesa Station. We have a tank battery near our
Navajo No. 1 location in the SW/4 SW/4 of Section 2. Your records may
indicate that this well is called Navajo No. 2-13; however, we have
changed the number in compliance with your directive. The ownership
in the Navajo No. 1 located in Section 2 and Navajo No. 3 located in
Section 3 is different insofar as working interest owners are concerned.

We propose to move oil from the Navajo No. 3 Well to the common
tank battery located in Section 2. The oil will be metered separately and
then stored in common tanks. At no time will this production be
commingled prior to metering.

If this proposal meets with your approval, please execute one copy
of this letter and return to me. If you have any questions, do not hesitate

Mr. John Bannister
Page 2
September 19, 1969



to call me. This method of handling the oil is necessary, in our opinion, because of the isolated area and because of the severe winter weather conditions.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

Wayne Rogers
Wayne Rogers

WR:lt

APPROVED: John Bannister/98

DATE: 9/25/69

X-Colorado
New Mexico

September 17, 1969

Mr. E. J. Henderson
Manager of Operations
Consolidated Oil & Gas, Incorporated
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Consolidated #4 Navajo 226
T41N, R28E, G & SRM
Sec. 3: SW/4 SW/4
Apache County
Permit #514

Dear Mr. Henderson:

The Executive Secretary has instructed me to agree that the captioned well will be carried with the new designation Consolidated #3-3 Navajo 226 pursuant to your letters dated August 27 and September 10, 1969. We are able to correct our records accordingly and no new forms will be required.

Yours truly,

James A. Lambert
Administrative Assistant

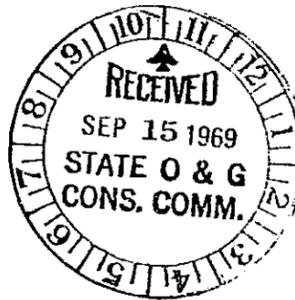
JAL:jf

514



LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 253-1751

Consolidated Oil & Gas, Inc.



September 10, 1969

Mr. James A. Lambert
State of Arizona
Oil and Gas Conservation Commission
Room 202 - 1624 West Adams
Phoenix, Arizona 85007

Dear Mr. Lambert:

Consolidated Oil & Gas, Inc.
Navajo No. 3-3
Apache County, Arizona
Permit #514

Attached is a copy of my letter to the attention of Mr. John Bannister of August 27, 1969, which requested a change in well designation for Consolidated's Navajo well in Apache County, Arizona. The well was initially submitted as the Navajo No. 4. At the request of the U. S. G. S., the well number was changed to the Navajo No. 3-3; that is, the third well drilled by Consolidated in Section 3.

Also attached is a copy of your letter to me dated August 29, 1969, which stated that the well designation had been changed from the Navajo No. 4 to the Navajo No. 3-13. If possible, we would like for the State well designation to be the same as the U. S. G. S. well designation; that is, the Navajo No. 3-3.

Please advise if the State can redesignate this well as the Navajo No. 3-3 in lieu of No. 3-13.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

E. J. Henderson
E. J. Henderson
Manager of Operations

EJH/sw

Enclosures

*Jim -
Request OK
JB
JK*

*Consolidated
X-Limited*

August 29, 1969

Mr. E. J. Henderson
Manager of Operations
Consolidated Oil & Gas, Incorporated
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Re: Consolidated #4 Navajo 226
T41N, R28E, G & SRM
Sec. 8: SW/4 SW/4
Apache County
Permit #514

Dear Mr. Henderson:

The Executive Secretary has instructed me to agree that the captioned well will be carried with the new designation, Consolidated #3-13 Navajo 226 pursuant to your letter dated August 27, 1969. We are able to correct our records accordingly and no new forms will be required.

This well was designated as the #4 Navajo because it was the fourth well to be permitted by Consolidated in this Navajo Lease No. 14-20-603-226. With the expiration of Permit No. 488 it is, in fact, the third well to be drilled by Consolidated.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

cc: Mr. Vernon J. Love, Consolidated, Denver

514



LINCOLN TOWER BUILDING
1960 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

Consolidated Oil & Gas, Inc.

August 27, 1969



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

Dear Mr. Bannister:

Consolidated Oil & Gas, Inc.
No. 3-3 Navajo
(Formerly No. 4 Navajo)
SW SW Section 3, T41N-R28E, G&SRM
Apache County, Arizona

We have received the approved copy of Form No. 3, "Application for Permit to Drill" to drill the Consolidated Oil & Gas, Inc. No. 4 Navajo well located in Section 3, T41N-R28E, Apache County, Arizona, your receipt No. 9596 and the Permit to Drill No. 514.

At the request of the U. S. G. S., the number of this well has been changed to the No. 3-3 Navajo. We assume that you will correct your records accordingly and submission of new forms will not be required. If this is not the case, please advise.

Yours very truly,

CONSOLIDATED OIL & GAS, INC.

E. J. Henderson
E. J. Henderson
Manager of Operations

EJH/sw

cc: Bureau of Indian Affairs - Window Rock
The Navajo Tribe - Window Rock
Staff Archeologist - Gallup, N. M.
U. S. G. S. - Farmington, N. M.

514

V. Chisno

August 25, 1969

Mr. D. E. Smink
Consolidated Oil & Gas, Incorporated
1860 Lincoln Street
Suite 1300
Denver, Colorado 80203

Re: Consolidated Oil & Gas #4 Navajo
T41N, R28E, G & SRM
Sec. 3: SW/4 SW/4
Apache County
Permit #514

Dear Mr. Smink:

Enclosed is the approved Application for Permit to Drill, our receipt No. 9596, a copy of the plat, and our Permit To Drill No. 514.

Also enclosed are miscellaneous instruction sheets pertaining to samples and reports required by this office.

Take note that all of Section 3 of 41 North and 28 East is dedicated to the gas well, Shell #2 Navajo, as to the Paradox member of the Hermosa formation.

Yours truly,

John Bannister
Executive Secretary

jj
Enc.

514



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

August 19, 1969

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams - Room 202
Phoenix, Arizona 85007

Attention: Mr. James A. Lambert

Re: Form #3 - Application for Permit
to Drill - Navajo #4 (3-41-28-13)
East Boundary Butte Field
Apache County, Arizona

Gentlemen:

Please find enclosed the original and one copy of the subject form
with certified location plats and our check No. 04941 in the amount
of \$25.00.

It is anticipated that the well may be spudded on or about August 25,
1969.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

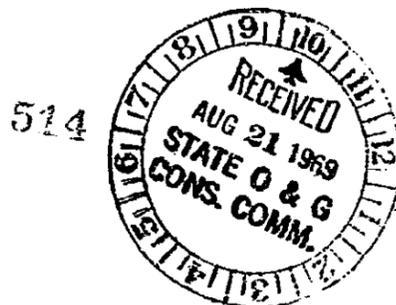
D. E. Smink
D. E. Smink
Petroleum Engineer

DES/cc

Enclosures

cc. Navajo Tribe, Minerals Dept.

U.S.G.S., Farmington, New Mex.





Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

August 19, 1969

United States Geological Survey
Department of the Interior
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Re: Form 9-331C - Application for
Permit to Drill - Navajo #4 (3-41-28-13)
East Boundary Butte Field
Apache County, Arizona

Gentlemen:

Please find enclosed three copies of Form 9-331C (with plats attached)
making application to drill the subject well.

It is anticipated that the well may be spudded on or about August 25,
1969.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink

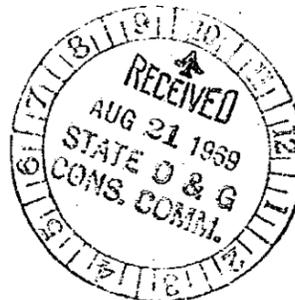
D. E. Smink
Petroleum Engineer

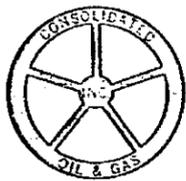
DES/cc

514

Enclosures

cc. Navajo Tribe, Minerals Dept.
State of Arizona, Oil & Gas Cons. Comm.





Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80203
(303) 255-1751

August 15, 1969

Mr. Leland Abels, Staff Archeologist
National Park Service
P. O. Box 1060
Gallup, New Mexico

Re: Navajo #4 (3-41-28-13)
SW SW Sec. 3, T41N-R28E
Apache Co., Ariz.

Dear Mr. Abels:

Consolidated has retained a surveyor to survey and stake the location of the subject well preparatory to filing applications to drill with the Oil and Gas Conservation Commission -- State of Arizona and the U.S.G.S. -- Department of the Interior.

It would be very much appreciated if you would advise us if construction of the subject location would result in any disturbance, destruction or removal of specimens of archeological interest.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. E. Smink
D. E. Smink
Petroleum Engineer

~~Suppose~~
DES/cc

cc. Bureau of Indian Affairs
Window Rock, Arizona

The Navajo Tribe
P. O. Box 146, Window Rock, Arizona

State of Arizona, Oil & Gas Conservation
Commission, Phoenix, Arizona

U.S.G.S, Farmington, New Mexico

514



V. O. NO. 89-147

Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1840 LINCOLN STREET
DENVER, COLORADO 80202

Phone: AREA 303
255-1751

04941

DATE	INVOICE NO.	DESCRIPTION	GROSS	DEDUCTIONS	NET AMOUNT
8/18/69		Drilling Permit - Navajo #4 (3-41-28-13) 3-3			\$25.00

