

*Released 1-13-65*

~~CONFIDENTIAL~~

P-W

s1

COUNTY Apache AREA Four Corners LEASE NO. Nav. 14-20-603-715

WELL NAME Walter Duncan #1 El Paso-Navajo

LOCATION SE SE SEC 13 TWP 41N RANGE 30E FOOTAGE 660 FSL 660 FEL

ELEV 5031 GR 5044 KB SPUD DATE 11-7-64 STATUS \_\_\_\_\_ TOTAL DEPTH 5400'  
COMP. DATE 11-21-64 DEPTH 5410 AM Strat

CONTRACTOR Araphace Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>13 3/8</u>	<u>191</u>	<u>170 Sx</u>	<u>_____</u>	<u>x</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>DRILLED BY CABLE TOOL _____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>PRODUCTIVE RESERVOIR _____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>INITIAL PRODUCTION <u>D&amp;A</u></u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Chinle</u>	<u>1623'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>DeChelly</u>	<u>2599'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>Organ Rock</u>	<u>2890'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>Hermosa</u>	<u>4356'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>Ismay</u>	<u>5100'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>Lower Ismay</u>	<u>5170'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>Desert Creek</u>	<u>5255'</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG Am Strat
<u>IE, GRS</u>	<u>NA</u>	<u>NA</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>SAMPLE DESCRP. _____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>SAMPLE NO. <u>1287</u></u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>CORE ANALYSIS _____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>DSTs _____</u>

REMARKS \_\_\_\_\_ APP. TO PLUG \_\_\_\_\_  
\_\_\_\_\_ PLUGGING REP. x  
\_\_\_\_\_ COMP. REPORT x

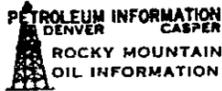
WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. U. S. Fidelity & Guaranty Company BOND NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
BOND AMT. \$ 2,500 CANCELLED 11-20-65 ORGANIZATION REPORT 11-3-64  
FILING RECEIPT 9398 LOC. PLAT x WELL BOOK x PLAT BOOK x  
API NO. \_\_\_\_\_ DATE ISSUED 11-5-64 DEDICATION E/2 SE/4

PERMIT NUMBER 299



ARIZONA  
APACHE CO.  
BITA PEAK (D)



Twp 41n-30e  
Section 13  
se se  
660 n/s 660 w/e

OPR: Walter Duncan

WELL #: 1 El Paso-Navajo

ELEV: 5031 Gr

TOPS: Log ~~2200~~  
Chinle 1623  
DeChelly 2599  
Organ Rock 2890  
Hermosa 4356  
Ismay 5100  
Lower Ismay 5170  
Desert Creek 5255

DSTS. & CORES:

No cores. DST 5185-5203, SI 30 mins, open 1 hr, SI 1 hr, gas too small to measure, rec 180 HO &G&WCM, 270 sli O&G&MC salt wtr, FP 89-192#, SIP 2085-2085#, HP 2814-2799#. DST 5265-5410, SI 30 mins, open 1 hr, SI 30 mins, rec 50 mud, FP 89-104#, SIP 237-163#, HP 2875-2855#.

SPUD: 11-6-64

COMPL: 11-23-64

TD: 5400

PB:

CSG: 13-3/8" @ 191 w/170

PERF:

PROD. ZONE:

INIT. PROD: D&A

Contr: Arapahoe

ARIZ3-468021

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator **WALTER DUNCAN** Address **Box 137, Durango, Colorado**

Federal, State or Indian Lease Number or name of lessor if fee lease **Navajo Tribal 14-20-603-715** Well Number **1** Field & Reservoir

Location **660' n/s, 660' w/e** County **Apache**

Sec. TWP-Range or Block & Survey **Section 13, Township 4 North, Range 30 East**

Date spudded **Nov. 7, 1964** Date total depth reached **Nov. 21, 1964** Date completed, ready to produce **--** Elevation (of RKB, RT or Gr.) **5031 (ground)** feet Elevation of casing hd. flange **--** feet

Total depth **5400'** P.B.T.D. **--** Single, dual or triple completion? **--** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **--** Rotary tools used (interval) **Surface to TD** Cable tools used (interval) **No**

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

Type of electrical or other logs run (check logs filed with the commission) **Schlumberger Induction Electrical and Sonic-Gamma Ray w/Caliper** Date filed **attached**

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	17"	13-3/8"	55#	191'	170	none

TUBING RECORD **none**

LINER RECORD **none**

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

PERFORATION RECORD **none**

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
			<b>none</b>	

INITIAL PRODUCTION

Date of first production **---** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump: **---**)

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

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

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

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **authorized representative** of the

**WALTER DUNCAN** (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 **December 11, 1964** Signature **RAYMOND T. DUNCAN**

NOTE: Please do not release logs or any information pertaining to the logs until further notice.

**CONFIDENTIAL**

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log File One Copy

Permit No. **299** Form No. 4

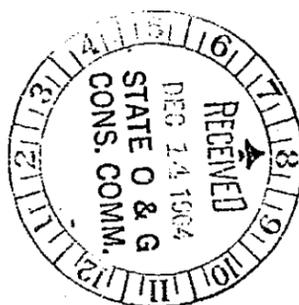
**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Chinle	1623		
DeChelly	2599		
Organ Rock	2890		
Hermosa	4356		
Ismay	5100		
Lower Ismay	5170		
Desert Creek	5255		

Porosity from 5192-5225 in L. Ismay zone. Tested salt water.

DST No. 1: L. Ismay. 5185-5203. Open 1 hr. Strong blow immediately decreased throughout. Gas to surface 25 min. Too small to measure. Recovered 450' fluid being 180' HOG&WCM plus 270' SI OG&MCXW. FP: 89-192. ISIP: 2085 after 30 min. FSIP: 2085 after 1 hr. IHP: 2814. FHP: 2799.

DST No. 2: Desert Creek. 5265-5410. Open 1 hr. Good blow immediately decreasing to VWBA in 25 min. Rec. 50' mud. No show. FP: 89-104. ISIP: 237 after 30 min. FSIP: 163 after 30 min. IHP: 2875. FHP: 2855.



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

**INSTRUCTIONS:**

Attach drillers log or other acceptable log of well.

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

**PLUGGING RECORD**

Operator <b>WALTER DUNCAN</b>		Address <b>Box 137, Durango, Colorado</b>			
Federal, State, or Indian Lease Number, Navajo Tribal or lessor's name if fee lease. <b>14-20-603-715</b>		Well No. <b>1</b>	Field & Reservoir		
Location of Well <b>660' n/s, 660' w/e, Section 13, Township 41 North, Range 30 East</b>			Sec-Twp-Rge or Block & Survey	County <b>Apache</b>	
Application to drill this well was filed in name of <b>Walter Duncan</b>	Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)      Dry? <b>XXXX</b>			
Date plugged: <b>November 23, 1964</b>	Total depth <b>5400</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)      Water (bbls/day) <b>--      --      --</b>			
Name of each formation con- taining oil or gas. Indicate which formation open to well- bore at time of plugging	Fluid content of each formation	Depth interval of each formation		Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement	
<b>None</b>	<b>L. Ismay, salt water</b>	<b>Chinle</b>	<b>1623</b>	<b>Plug 1</b>	<b>5125-5275</b>
		<b>DeChelly</b>	<b>2599</b>	<b>Plug 2</b>	<b>4300-4400</b>
		<b>Organ Rock</b>	<b>2890</b>	<b>Plug 3</b>	<b>2500-2700</b>
		<b>Hermosa</b>	<b>4356</b>	<b>Plug 4</b>	<b>1575-1675</b>
		<b>Ismay</b>	<b>5100</b>	<b>Plug 5</b>	<b>50' in and 50'</b>
		<b>Desert Creek</b>	<b>5255</b>		<b>out of surf. casing</b>
<b>CASING RECORD</b>					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
<b>13-3/8"</b>	<b>191'</b>	<b>none</b>	<b>191'</b>	<b>--</b>	<b>--</b>
Was well filled with mud-laden fluid, according to regulations? <b>Yes</b>			Indicate deepest formation containing fresh water. <b>Navajo-Wingate - 1623'</b>		
<b>NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE</b>					
Name	Address			Direction from this well:	
<p><small>In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.</small></p> <p align="center"><b>not applicable</b></p> <p><small>Use reverse side for additional detail.</small></p>					
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>authorized representative</u> of the <u>WALTER DUNCAN</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p>Date <u>December 11, 1964</u>      Signature <u><i>Raymond T. Duncan</i></u> <b>RAYMOND T. DUNCAN</b></p>					
<b>CONFIDENTIAL</b>			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
Permit No. <b>299</b>			Form No. 10		



**ARAPAHOE DRILLING CO.**

5303 EAST EVANS • P. O. BOX 22273 • WELLSHIRE BRANCH  
DENVER, COLORADO 80222

JOHN E. SCHALK  
MANAGING PARTNER

December 9, 1964

AREA CODE 303  
TELEPHONE 757-5431

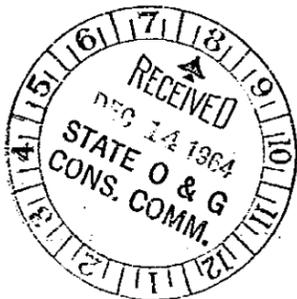
Walter Duncan  
Oil Properties  
P. O. Box 137  
Durango, Colorado

Re: Walter Duncan #1 El Paso Navajo  
Apache County, Arizona

Gentlemen:

In response to your request of December 1, 1964 may we advise as follows regarding hole deviation:

<u>Date</u>	<u>Depth</u>	<u>Deviation</u>
11-7-64	100	0°
11-7-64	198	0°
11-9-64	1712	1°
11-10-64	2381	0°
11-11-64	2778	1°
11-12-64	3140	3/4°
11-13-64	3630	1°
11-14-64	3925	3/4°
11-15-64	4379	3/4°
11-16-64	4546	3/4°
11-19-64	5151	3°



Yours very truly,  
ARAPAHOE DRILLING CO.

*John E. Schalk*  
John E. Schalk  
Managing Partner

STATE OF COLORADO) SS.  
COUNTY OF DENVER)

On this 9th day of December, 1964 before me, a Notary Public, in and for said County, personally appeared John E. Schalk for Arapahoe Drilling co. and who is personally known to me, and makes oath that the matters set forth in the above statement are true.

My commission expires June 26, 1968

*Harry C. Crumley*  
Harry C. Crumley, Notary Public

**CONFIDENTIAL**

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-716</b>	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo Tribal</b>	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME <b>El Paso - Navajo</b>	
9. WELL NO. <b>1</b>	
10. FIELD AND POOL, OR WILDCAT	
11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA <b>Sec. 13, T41N-R30E</b>	
12. COUNTY OR PARISH <b>Apache</b>	13. STATE <b>Arizona</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3031 (ground)</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____

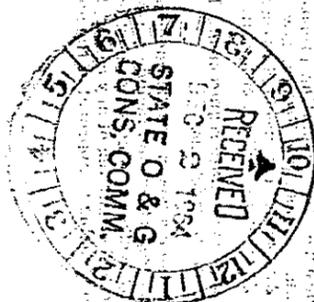
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

**Total Depth: 5400'**  
**Cement plugs set at:**

#1	5125' - 5275'
#2	4300' - 4400'
#3	2500' - 2700'
#4	1575' - 1675'
#5	50' in and 50' out of surface casing

**10 in in top of hole, and dry-hole marker erected.**



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

SIGNED

*Walter Duncan*

NAME for: **Walter Duncan**

DATE

**December 1, 1964**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Form 9-331  
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-715**

6. IF INDIAN ALLOTTEE OR TRIBE NAME  
**Navajo Tribal**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**El Paso - Navajo**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
**Sec. 13, T41N-R30E**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL  GAS WELL  OTHER  **Abandonment**

2. NAME OF OPERATOR  
**WALTER DUNCAN**

3. ADDRESS OF OPERATOR  
**Box 137, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**660' north of south line, 660' west of east line,  
Sec. 13, T. 41 N., R. 30 E.**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5031 (ground)**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data:

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

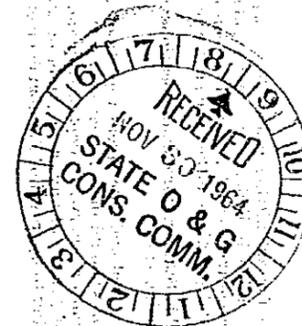
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

**Total Depth: 5400'**

**Intend to abandon. Will set cement plugs:**

- #1 5125' - 5275'
- #2 4300' - 4400'
- #3 2500' - 2700'
- #4 1575' - 1675'
- #5 50' in and 50' out of surface casing  
10 sk in top of hole

**Will erect dry-hole marker.**



18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE owner for: Walter Duncan DATE November 23, 1964

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Form 9-331  
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-715**

6. IF INDIAN ALLOTTEE OR TRIBE NAME  
**Navajo Tribal**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**El Paso - Navajo**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC., T., R., OR BLK. AND  
SUEVEY OR AREA  
**Sec. 13, T41N-R30E**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**WALTER DUNCAN**

3. ADDRESS OF OPERATOR  
**Box 137, Durango, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.  
At surface **660' north of south line, 660' west of east line  
Sec. 13, T. 41 N., R. 30 E.**

14. PERMIT NO.

15. ELEVATIONS (Show whether of, ft., or, etc.)  
**5031' (ground)**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <b>Surface Casing</b> <input checked="" type="checkbox"/>	

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

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

**Spud: 5 A.M., November 7, 1964**

**Ran 6 joints 13-3/8" 48J, 55# casing. Set at 191'. Cemented with 170 sacks regular, 2% CaCl. PD 6:00 P.M., November 7, 1964**



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

SIGNED *Walter Duncan* TITLE **XXXX for: WALTER DUNCAN** DATE **November 10 1964**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

APPLICATION TO DRILL  DEEPEN  PLUG BACK  RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR **WALTER DUNCAN** DATE **November 3, 1964**

Post Office Box 137 Durango Colorado  
Address City State

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease <b>Navajo Tribal 14-20-603-715</b>	Well number <b>El Paso-Navajo #1</b>	Elevation (ground) <b>5031</b>
Well location and acreage dedicated to the well (give footage from section lines) <b>660' fsl, 660' fel (dedicated acreage E<math>\frac{1}{2}</math>SE<math>\frac{1}{4}</math>)</b>		Section--township--range or block & survey <b>Sec. 13, T. 41 N., R. 30 E.</b>
Field & reservoir (If wildcat, so state) <b>Wildcat</b>	County <b>Apache</b>	
Distance, in miles, and direction from nearest town or post office <b>3-1/2 miles northeast of Tees Nos Pos, Arizona</b>		
Nearest distance from proposed location to property or lease line: <b>660</b> feet	Distance from proposed location to nearest drilling completed or applied--for well on the same lease: <b>---</b> feet	
Proposed depth: <b>5415'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>Nov. 9, 1964</b>
Number of acres in lease: <b>2560</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>1</b>	
If lease, purchased with one or more wells drilled, from whom purchased: <b>no previous wells drilled</b>		
Status and amount of bond <b>\$2,500.00</b>	Organization Report On file Or attached <b>Attached</b>	Filing Fee of \$25.00 Attached <b>X</b>

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

\*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the authorized representative of the Walter Duncan (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.

*Walter Duncan*  
Signature

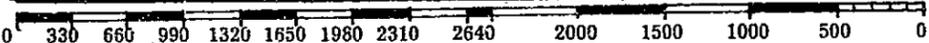
**November 3, 1964**  
Date

Permit Number: **299**  
Approval Date: **Nov 5, 1964**  
Approved By: *John Bannister*  
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.  
See Instruction on Reverse Side of Form

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

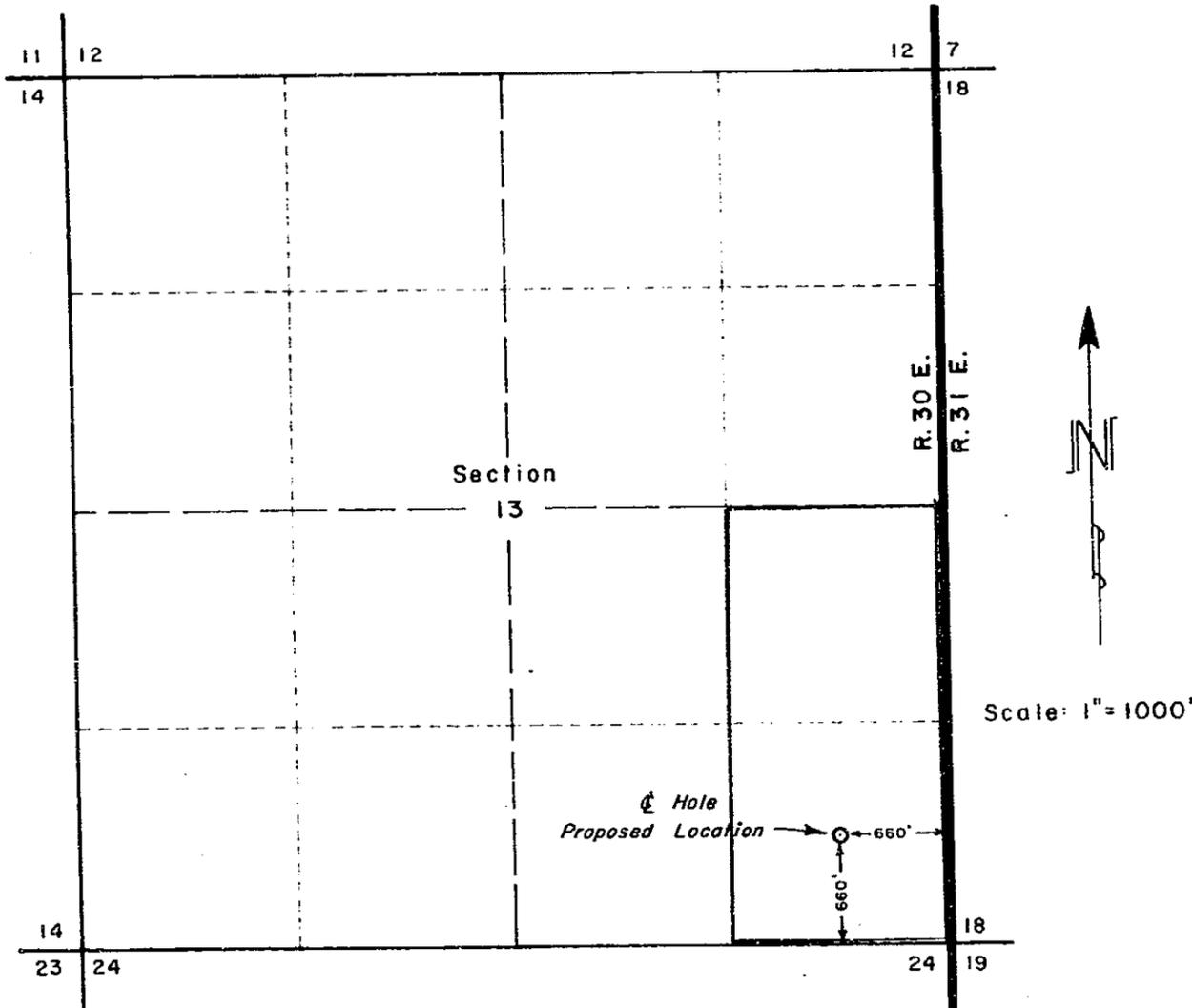
Form No. 3

- 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 one 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 two is "no," list all the owners and their respective interests below:

Owner	Land Description																
See Plat attached																	
<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px;"></td><td style="width: 25%; height: 50px;"></td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td></tr> <tr><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td><td style="height: 50px;"></td></tr> </table>																	<p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>
																	

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#		Surf.	175'		150 sacks
8-5/8"			"	1700'		circulate



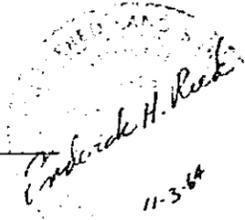
**WELL LOCATION: Walter Duncan - #1 El Paso Navajo**

Located 660 feet North of the South line and 660 feet West of the East line of Section 13,  
 Township 41 North, Range 30 East, Gila & Salt River Meridian,  
 Apache Co., Arizona  
 Existing ground elevation determined at 5031 feet based on adjoining well locations.

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

*Frederick H. Reed*

FREDERICK H REED  
 Registered Land Surveyor  
 State of Arizona # 5313



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<b>WALTER DUNCAN</b>	
<b>WELL LOCATION PLAT</b> Sec. 13 - T. 41 N. - R. 30 E. Apache Co., Arizona	
CLARK - REED & ASSOC. Durango, Colorado	DATE Nov. 2, 1964 FILE NO. 64079

Oil and Gas Conservation Commission  
of the State of Arizona

BOND

KNOW ALL MEN BY THESE PRESENTS, That we, Walter Duncan,  
Box 137, Durango, Colorado as principal, and United States  
Fidelity and Guaranty Company of Baltimore, Maryland  
as surety, authorized to do business in the State of Arizona, are  
held and firmly bound unto the State of Arizona, in the penal sum  
of (\$2,500.00) Two Thousand Five Hundred and no/100  
Dollars, lawful money of the United States, for the faithful performance  
of which we hereby bind ourselves, our heirs, executors, administrators  
and assigns.

The condition of this obligation is that whereas the above named  
principal proposed the drilling of a test well or wells for oil  
and gas (on lands situated in the State of Arizona) on the following  
described land:

Lease Name \_\_\_\_\_ Well No. Walter Duncan #1 El Paso-Barnes  
Description Section SESE, 13  
Township 41N, Range 30E, Apache  
County, Arizona.

NOW, THEREFORE, if the above bounded principal shall comply with  
all of the provisions of the laws of the State of Arizona and the  
rules, regulations and requirements of the Oil and Gas Conservation  
Commission of the State of Arizona, with reference to properly plugging  
said well or wells, then this obligation is void; otherwise, the  
same shall be and remain in full force and effect.

Witness our hands, this 2nd day of November, 1964.

Walter Duncan  
Walter Duncan Principal

Witness our hands, this 2nd day of November, 1964.

United States Fidelity and Guaranty Company  
Surety

By Sever J. Brucki  
Sever J. Brucki, Attorney-in-Fact

Approved: \_\_\_\_\_  
Director  
Oil and Gas Conservation Commission  
of the State of Arizona

Dated: \_\_\_\_\_

**CANCELLED**

DATE Dec 11-20-65

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STATE OF ILLINOIS }  
COUNTY OF LA SALLE } ss.

I, John R. Huffstodt, a Notary Public in and for the County and State aforesaid,

do hereby certify that Sever J. Brucki, Attorney-in-fact of the

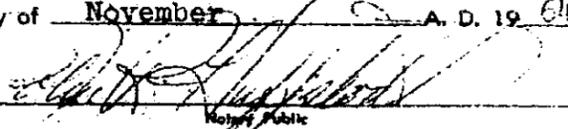
United States Fidelity and Guaranty Company

who is personally known to me to be the same person whose name is subscribed in the foregoing Instrument, as such Attorney-in-fact, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument of writing as his free and voluntary act, and as the free and voluntary act of the said

United States Fidelity and Guaranty Company

for the uses and purposes therein set forth, and caused the corporate seal of the said Company to be thereto attached.

Given under my hand and Notarial Seal this 2nd day of November, A. D. 19 64

  
Notary Public

My Commission Expires 8/10/66

299

(CERTIFIED COPY)

### GENERAL POWER OF ATTORNEY

No. 70303

Know all Men by these Presents:

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint

Sever J. Brucki

of the City of LaSalle its true and lawful attorney in and for the State of Illinois Illinois

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said Sever J. Brucki

may lawfully do in the premises by virtue of those presents. In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this 25th day of February, A. D. 19 57

UNITED STATES FIDELITY AND GUARANTY COMPANY

(SEAL) (Signed) By L. M. Smith Vice President

(Signed) John R. Johnston Assistant Secretary

STATE OF MARYLAND }  
BALTIMORE CITY, } ss:

On this 25th day of February, A. D. 19 57, before me personally came L. M. Smith, Vice-President of the UNITED STATES FIDELITY AND GUARANTY COMPANY and John R. Johnston, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland that they, the said L. M. Smith and John R. Johnston were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each know the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so affixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company. My commission expires the first Monday in May, A. D. 19 57

(Seal) (Signed) Nan C. Zimmerman Notary Public

STATE OF MARYLAND }  
BALTIMORE CITY, } Sct.

I, James F. Carney, Clerk of the Superior Court of Baltimore City, which Court is a Court of Record, and has a seal, do hereby certify that Nan C. Zimmerman, Esquire before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court of Record, this 25th day of February, A. D. 19 57

(SEAL) (Signed) James F. Carney Clerk of the Superior Court of Baltimore City

STATE OF ILLINOIS }  
COUNTY OF LA SALLE } ss.

I, John R. Huffstodt, a Notary Public in and for the County and State aforesaid,  
do hereby certify that Walter Duncan

personally known to me to be the same person whose name  
is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed,  
sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this 2nd day of November, A. D. 1956

*John R. Huffstodt*  
Notary Public

My Commission Expires 8/10/56

COPY OF RESOLUTION

That Whereas, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also, in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may be by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed and taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I, **H. G. Sachse**, an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to **Sever J. Brucki**

of **LaSalle, Illinois**, authorizing and empowering **him** to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on **November 2, 1954.**  
(Date)

*H. G. Sachse*  
Assistant Secretary

November 22, 1965

U.S. Fidelity and Guaranty Company  
201 Lincoln Statue Drive  
Dixon, Illinois 61021

Attention: Mr. Gordon E. Sundby, Jr.

Re: Bond 19121-13-348-64

Duncan-El Paso #1 Navajo well  
SE/4SE/4 13-41N-30E, Apache County Arizona  
Our File 299

Gentlemen:

This will acknowledge receipt of your letter of November 8, 1965 concerning captioned filed with this Commission to cover operations on captioned well.

This letter will constitute authority from this Commission to terminate captioned bond.

Very truly yours,

John Bannister  
Executive Secretary  
MB

cc: Mr. Walter Duncan  
P.O. Box 137  
Durango, Colorado



UNITED STATES FIDELITY AND GUARANTY COMPANY

DONALD R. EBAUGH  
AGENCY  
L. B. HUESTEDEN  
CASUALTY  
JAMES G. MERCER  
CLAIMS

DIXON BRANCH OFFICE  
201 LINCOLN STATUE DRIVE  
DIXON, ILLINOIS 61021  
TELEPHONE: 815/284-2266  
ROE E. SEEGER  
MANAGER

GORDON E. SUNDBY  
FIDELITY-SURETY  
JOSEPH P. BRAUN  
FIRE-ALLIED LINES  
ARNOLD F. WARING  
SAFETY ENGINEERING

November 8, 1965

State of Arizona  
Director  
Oil & Gas Conservation Commission  
The Statehouse  
Phoenix, Arizona

Re: Bond No. 19121-13-348-64  
Walter Duncan - Durango, Colorado  
\$2,500.00 Oil and Gas Lease Bond  
Well Number Walter Duncan Number 1  
El-Paso-Navajo Well - Sec. SESE 13  
Twp. 41N, R30E, Apache County, Arizona

Gentlemen:

As your records will indicate, we are the surety on the captioned bond. We have been advised that this bond is no longer needed and, thus, would appreciate receiving from you a copy of your termination evidence.

Thank you for your attention to this request.

Yours very truly,

*Gordon E. Sundby, Jr.*  
Gordon E. Sundby, Jr.  
Supt. Bond Dept.

GES:BB



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*RB*

# 299

January 13, 1965

Re: Walter Duncan No. 1  
El Paso-Navajo  
Sec. 13, T41N-R30E  
Apache County, Arizona

U. S. Geological Survey  
Post Office Box 959  
Farmington, New Mexico

ATTN: Mr. P. T. McGrath

Arizona Oil & Gas Conservation  
Commission  
Room 202, 1624 West Adams  
Phoenix, Arizona

Gentlemen:

On December 11, 1964 we sent you copies of the logs on the captioned well and requested that you not release any information pertaining to those logs until further notice. This information is no longer considered confidential and you may release any information requested.

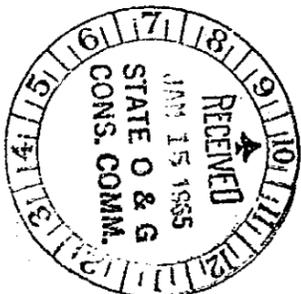
Thank you for your cooperation in this matter.

Yours very truly,

WALTER DUNCAN

  
Raymond T. Duncan

RTD:br

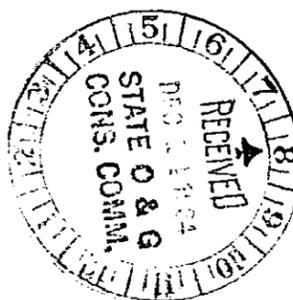


C  
O  
P  
Y

*295*

WALTER DUNCAN  
OIL PROPERTIES  
POST OFFICE BOX 137  
DURANGO, COLORADO

December 11, 1964



Re: Walter Duncan No. 1  
El Paso-Navajo  
13-41N-30E  
Apache County, Arizona

Arizona Oil and Gas Conservation Commission  
Room 202, 1624 West Adams  
Phoenix, Arizona

Gentlemen:

In connection with the captioned test, we enclose for your files:

Form No. 4, Well Completion or Recompletion Report and Well Log (1 copy)  
Schlumberger Induction Electrical and Sonic Gamma Ray w/ Caliper logs (1 copy each)  
Form No. 10, Plugging Record (1 copy)  
Certified statement of deviations (1 copy)

Please do not release the logs or any information pertaining thereto until further notice by the Operator.

Yours very truly,

WALTER DUNCAN

  
Raymond T. Duncan

RTD:br  
Encls.

**CONFIDENTIAL**

November 9, 1964

Mr. Walter Duncan  
P.O. Box 137  
Durango, Colorado

Re: Permit 299, Duncan El Paso-Navajo #1 well  
Sec. 13, Twp 41N, Range 30E, Apache County, Arizona

Dear Mr. Duncan:

An approved copy of Application to Drill captioned well and  
receipt for the filing fee is enclosed.

If this office may be of assistance at any time, please do  
not hesitate to contact us.

Very truly yours,

J.R. Scurlock  
Geologist

nr  
enc

WALTER DUNCAN  
OIL PROPERTIES  
POST OFFICE BOX 137  
DURANGO, COLORADO

November 4, 1964

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

Dear Mr. Bannister:

In connection with our proposed test, the Walter Duncan #1 El Paso-Navajo, to be located in Township 41 North, Range 30 East, Apache County, Arizona, we enclose the following:

Application for Permit to Drill, in duplicate  
Location Plat, in duplicate  
Organization Report  
\$2,500.00 Bond  
Our check in the amount of \$25.00 in payment of  
the filing fee.

We would like to commence this test on November 9th and would appreciate your calling us collect at your earliest convenience and advising us of the Commission's approval or any additional requirements.

Yours very truly,

WALTER DUNCAN

*Raymond T. Duncan*  
Raymond T. Duncan (br)

RTD:br  
Encl.