

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Earl R. Bruno

Address: P. O. Box 590, Midland, Texas 79702

Contact party: Randy Bruno Phone: 915-685-0113

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: RANDY BRUNO Title: Production Mgr.

Signature: Randy Bruno Date: 10/4/88

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

Earl R. Bruno		Speight	
OPERATOR		LEASE	
2	1650 FNL & 330 FEL	15	13S
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
38E			
RANGE			
Lea County, New Mexico			

SchematicTabular DataSurface CasingSize 13 3/8 " Cemented with 425 sx.TOC Surface feet determined by circulatedHole size 17 1/2Intermediate CasingSize 9 5/8 " Cemented with 1700 sx.TOC surface feet determined by circulatedHole size 12 1/4Long stringSize 7 " Cemented with 300 sx.TOC 9300 feet determined by CBLHole size 8 3/4Total depth 11,892Injection intervalWolfcamp 9568 feet to 9576 feet
(perforated or open-hole, indicate which)Devonian 11,851 feet to 11,868 feetDevonian openhole 11,892 feet to 11,933 feetTubing size 2 3/8 lined with plastic set in a
(material)Baker lockset packer at 9460 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data1. Name of the injection formation Wolfcamp-Devonian2. Name of field or Pool (if applicable) Bronco Devonian3. Is this a new well drilled for injection? ☐ Yes ☒ NoIf no, for what purpose was the well originally drilled? Well drilled to test Devonian.Structural position proved downdip. Wolfcamp zone perforated and proved unproductive.

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____

See attached schematic.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

Non productive Next higher zone: Abo 7900'Next lower zone: Silurian 15,000'

Lease & Well Name: Speight No. 2

Field Name: Bronco Wolfcamp

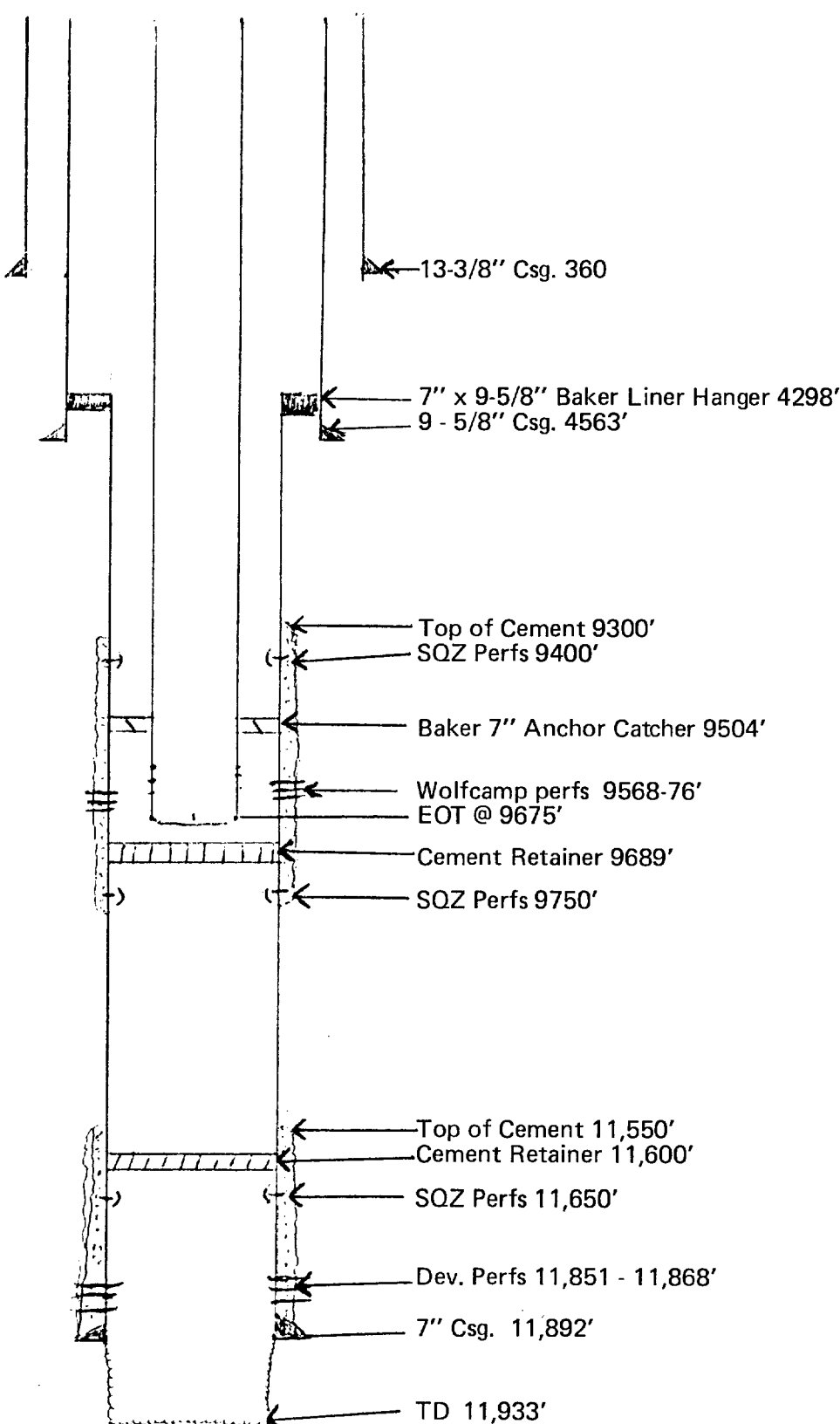
Location: 330 FEL & 1650 FNL, Sec. 15, Twn. 13-S, Rg. 38-E

Operator: Newhall Resources

Country/State: Le., New Mexico

Elevation: 3804.6

Casing Size	Casing Wt/Gr.	String Lgth	No. Joints	Tbg. Grade	Length
13-3/8 "	68# N-80	360	162	2-7/8 N-80	5218
9-5/8 "	40# N-80	346	1	2' Sub	2
	40# K-55	1030	132	2-7/8" J-55	4284
	36# J-55	3171	1	Anchor Packer	3
		4563	4	2-7/8" J-55	130
				Perf Sub & Mud Anchor	38
7"	26# S-95	79			9675'
	26# P-110	699			
	26# C-95	1173	96 - 1" #3	2400'	
	23# S-95	2879	94 - 7/8" #3	2350'	
	23# N-80	2764			
		4298 - 11,892	195 - 3/4" #3	4875'	



TABULATION OF OFFSET WELLS

See attachment for detail information

I. Section 10, T13S, R38E

- OK 1. Midwest Oil, #1 L. B. Townsend, 1980 FSL & FEL, TD 12,383' } Same well ✓
- OK 2. Morris Antweil, #1 Townsend OWWO, 1980 FSL & FEL, PBTD 12,000' ✓
- OK 3. Pure Oil, #1 L. B. Townsend, 660 FSL & 330 FEL, TD 9700' ✓

II. Section 11, T13S, R38E

- OK 4. Amerada Pet. Corp., #1 Federal "B", 1983 FNL & 1538 FEL, TD 11,875' ✓
- OK 5. Amerada Hess Corp., #2 Federal "B", 1983 FNL & 548 FEL, TD 11,850' ✓
- OK 6. Amerada Pet. Corp., #1 L. W. Ward, 660 FSL & 1491 FEL, TD 11,890' ✓
- OK 7. Amerada Pet. Corp., #2 L. W. Ward, 1983 FSL & 520 FEL, TD 11,871' ✓
- OK 8. Amerada Pet. Corp., #3 L. W. Ward, 1982 FSL & 1514 FEL, TD 11,867' ✓
- OK 9. Amerada Pet. Corp., #4 L. W. Ward, 990 FSL & 400 FEL, TD 11,605' ✓
- OK 10. Amerada Pet. Corp., #5 L. W. Ward, 1983 FSL & 1415 FEL, TD 9660' ✓
- OK 11. Sinclair Oil & Gas, #1 Barnes & Golden, 330 FSL & 2310 FWL, TD 11,805' ✓
- 12. Sinclair Oil & Gas, #2 Barnes & Golden, 1650 FSL & 2310 FWL, TD 11,800' ✓
- OK 13. Sinclair Oil & Gas, #1 H. H. Harris Tr. "A", 990 FNL & 571 FEL, TD 11,905' ✓

III. Section 14, T13S, R38E

- OK 14. Amerada Pet. Corp., #1 Federal "A", 1982 FNL & 1443 FEL, TD 11,962' ✓ P/A
- OK 15. Amerada Pet. Corp., #2 Federal "A", 660 FNL & 1274 FEL, TD 11,870' ✓
- OK 16. Amerada Pet. Corp., #1 Virgil Linam, 660 FNL & FWL, TD 11,958' ✓
- 17. Amerada Pet. Corp., #2 Virgil Linam, 330 FNL & 2310 FWL, TD 11,850' ✓
- OK 18. Amerada Pet. Corp., #1 H. D. Schenck, 660 FNL & 477 FEL, TD 12,548' ✓

IV. Section 15, T13S, R38E

- OK 19. Buck Wilson, #1 Speight, 700 FNL & 330 FEL, TD 9634' ✓

Co. **LEA** POOL **UNDESIGNATED** STAT **N.M.** KROENLEIN **170-56**
 COMPANY **Midwest Oil Corp. - #1 - L. B. Townsend** ELEV. **3818**
 LOC. **1980' FSL & FEL**
Sec. 10, T. 138, R. 38E

ACID OR SHOT	CASING RECORD	TOPS
	13 3/8- 338- 350	Miss 11380
	9 5/8- 4600- 400	Wood 11810
		Dev. 12358
SPD 5-10-56	COMP. 8-27-56	
I. P. P2A		
GR. GOR	TP CP	TP
REMARKS	CONT'D. PAGE 2	TD 12,383 LI.
		PBD

LEA, N.M. SEC: 10-138-38E **K-170-56**
Midwest Oil Corp - #1 - L.B. Townsend **BOOK 2**

Ord. 5175-5231 rec. 55-1/2' being 6" sh. 14' dolo fx sh. strks. 3' anhy. 18' dolo fx tite MS, 6' dolo fx to ex anhyd, blg oil in pop to vug per & fracs. 3' dolo xln an tite MS. 2' dolo xln an blg. oil 4' dolo xln an. MS. 5' fx to ex dolo good show of oil.
 Ord. 5231-57 rec. 55' dev dolo fx anhyd str. & blg. oil 5231-33.

DST 0380-0482 op 1 hr. rec. 88' md, PP 140/ SIP 180/30
 DST 12,276-383, op 1 hr 30 min., rec 900' MDGWS, 230' BW
 PP 3175-5225, SIP 5225/30 min.

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 MIDLAND, TEXAS

LEA COUNTY	NEW MEXICO	UNDESIGNATED
Well: ANTWEIL, MORRIS R. 1 Townsend	OWWO	Result: D&A
Locn: 7 mi SE/Gladiola, Sec 10-13S-38E, 1980 FSL, 1980 FEL Sec		
(Orig. Midwest Oil Corp; D&A 8-27-56, OTD 12,383)		
Spud: 4-28-81, Comp: 7-10-81, Elev: 3804' Grd, TD: 12,383 (DVNN)		
Casing: 13 3/8" 338'/350sx, 9 5/8" 4600'/400sx, 9 5/8" 1574'-set		
Comp Info: F.R. 4-13-81 OWWO, PD 12,000 WO (MSSP) DOC to 1575, Ran		
9 5/8" tieback Csg, DOC to 1575', DO to 12,000', DST-SPWFMP) 9994-		
10,050, op NR, rec 9200' : ILW, 1 hr ISIP 4167', FP 1705-4167', 3 hr		
FSIP 4167' C/DA&SMoran o #7		
Tops: (EL) NR		
API No: MN 07226		

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75720NCO - N.M. part

AREA

bronco wolfc.

LOC. DATE: 12/1/55

MAP:

Sample Log

Sample Desc.

Electric Log

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Pure Oil Co.

LEASE L.B. Townsend

WELL NO. 1

SEC. 10 T. 13-S R. 38-E ELEV. 3815' (45) (8/12/55)

SEC. BLK. T. SURVEY

660' FSL 330' FEL

SPUD. 8/5/55 COMP. 9/29/55 T. D. 9700'

4766

CONTRACTOR P.B. 9698'

T. PAY 9600

POTENTIAL FLD. 773 B.O.P.D. (Chas 190.3 80/6 lb) CHOKE: 24/64" on

ACID FRAC. SHOT 2" 9698'

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
11 3/4	339	450
8 5/8	4598	1700
5 1/2	9699	800
Tubing		

GOR: 2130-1 GTY. 42.6 CSG. P # TBG. P 250 #

FORMATION TOPS

Andy. 2290 2 half. 9110 (Spk)
 Yates 3065 Glen. 5996 (EW)
 SA 4530 (Spk) Jubb 7312 (EW)
 Glen. 5980 (Spk) Cho 7895 (EW)
 Jubb 7210 (Spk) 2 half. 9120 (EW)
 Cho 7908 (Spk)

PROPOSED DEPTH: 9600'

8/25 DST (Lance Andrews) 4990-5210'
 op. 2 hrs, rec. 30' mud, FP 35#, SEP
 35#/30 min. p 5582' Li. (8-23rd).
 9/8 p 8060' Dabr. + ad. (8-6th).
 9/22 DST 9467-9615' (2 half. Li) op. 8 hrs
 22 min, gas in 4 hr. 5 min, rec.
 150' oil, 30' mud, 456' MCO, FP
 28-175 #, SEP 1485 #/30 min. TD
 9615', prep. del. ahead (9-20th).
 10/6 DST 9612-75', op. 3 hrs, rec. 35' mud,
 70' press. DST 9604-9700', op.
 105 min, gas in 5 min, mud
 in 10 min, oil in 11 min, fluid
 71 BQ, rec. circ out 12 BQ, gas
 43, gas vol. est. 1,900,000 CFEPD,
 rec. 30' clean oil below out,
 FP 2575-2375 #, SEP 3215 #/30 min.
 TD 9700' Dalg. out out (9-27th),
 Jaty (10-3rd).
 10/20 Prod. then perf. 9349-9698'.
 CP pkr at 9487'. (Perfs 9349-59',
 9600-07', 9617-25', 9629-33', 9665-
 71', 9685-98', A/250 GMA all perfs,
 sealed 8 BND + 5 BAW/1 hr.

4530
 3115
 1415

5996
 3615
 - 2181 cc

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 MIDLAND, TEXAS

Sample Log _____
Sample Desc. _____
Electric Log 1-100
Radioactive Log _____
Hallibuten _____
Caliper _____
Insol Res. _____

OPERATOR Amerada Pet. Corp.
LEASE Federal "B" WELL NO. 1
SEC. 11 T. 13-S R. 38-E ELEV. 3810' (L.E.S) (10/16/53)
SEC. _____ BLK. _____ T. _____ SURVEY _____
1983' FNL 1538' FEL
SPUD. 10/1/53 COMP. 12/17/53 T. D. 11,875'
CONTRACTOR _____ P.B. _____
T. PAY 11,800
POTENTIAL 1,116 B.O. Based on 372 BO/8 hrs then 1/2" ch. a
ACID. 1000 FRAC. _____ SHOT 2" at 11,850'

Casing Record		
DIA.	DEPTH, WT., etc.	CEM.
13 3/8	319	400
9 5/8	4543	1200
7	11,800	200
Tubing		

GOR: 110-1 CTY. 43.9 CSG. P. _____ # TBG. P. 175 #
FORMATION TOPS

<u>Also</u>	<u>2890</u>
<u>Shelf</u>	<u>9005</u>
<u>Miss</u>	<u>9540' 11.058</u>
<u>Rev.</u>	<u>11,792</u>
<u>SA</u>	<u>4515</u>

PROPOSED DEPTH: 12,000' HT

10/14 3552' Andy
10/21 4745' Li
10/27 8138' " + Sh
11/6 88490'
11/11 TD 9745' Li. DST 9490-9575'
ap. unreported length of time,
gas 40 min, est. 13,000 CF APD
1 hr, rec. not reptd. Satp
11/25 TD 10,875' Li. + Ch. On trip
12/2 TD 11,388' Satp
12/9 311,597' Li. + Ch. DST 11,088-200'
ap. 6 hrs, rec. 7460' gas in pipe,
2068' gas + M-G WB + 122' H 66-CM,
est. 2546 oil, FP 970-1330#, DST
11,088-200', ap. 4 hrs, rec. 2068' G-CM
1221' H 6 + 0-CM, FP 970-1330#, SEP
1600 #/15 min.
12/10 311,875'
12/13 TD 11,875' A/1000 gals in O.H. 11,800-
875', flwd. 147.52 BO + 7.09 Lbls.
BS+W, 8.14 BAW/3 3/4 hrs. 1/2" ch,
GOR 117-1. Flwd. 317-87 BO, 3.31 BS
+ .18% AW/8 hrs. then 2 1/2" ch, GOR
110-1. Satp.
12/1 Prod. from O.H. CP pke. 11,750'
* DST 9575-9635', ap. 2 hrs, rec. 496'
WB, 62' mud + 123' SC-CM, FP 230-300#
SEP 670 #/15 min. DST 9490-9575'

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MIDLAND, TEXAS

ap. 4 hrs, gas 40 min, rec. 480' WB,
4405' oil, 651' O 66-CM, 420' OCB
S+W, 62' SW, FP 207-1345#,
SEP 2685 #/15 min. DST 9572-9745
ap. 5 hrs 13 min, used 682' WB, gas
48 min, WB 2 hrs 59 min, O 66-CM
3 hrs 12 min, flwd. 1851' Lr, 98%
BS+W, 3% oil, rec. out 82 BF, 99%
mud, rec. 403' SW, FP 975-2965#,
SEP 3300 #/15 min.

OH
11800 (-7790)
11875 (-8065)

4

GOR	GTY	CP	TP	BHP	POT DATE	TREATMENT
CSG	13-2/8 - 219 - 450				7 - 11800 - 700	
	9-5.8 - 4543 - 1200					

1-

— 1 —

SPL (LOG) MARKERS

MISS

AREA Undesignated

MAP:

Sample Log

Sample Desc.

Electric Log

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Amerada Pet. Corp.

LEASE Federal "B" WELL NO. 2

SEC. 11 T. 13-S R. 38-E ELEV. 3810' (LES) (1/28/55)

SEC. BLK. T. SURVEY

1983' ENL 544' FEL

SPUD. 2/2/55 COMP. 3/16/55 T. D. 9660'

CONTRACTOR P.B. 9647'

T. PAY 9446'

POTENTIAL ~~FLD.~~ 206 B.O.P.D. (Pres 10380/12 Lbs) CHOKE 24/64" and 2" 9621'

ACID 1500 FRAC. SHOT

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/8	318	400
9 5/8	4536	1300
7	9652	500
Tubing		

COR. 765-1 GTY. 40.5 CSG. P # TBG. P 100 #

FORMATION TOPS

SA 4995 (apb) SA 4535 (EC)
 2 half. 8970 (apb) 2 half. 8985 (EC)
 (Perm. 9496 (apb) Perm. 9439 (EC)
 Andy. 2315 (EC)
 St. 2333 (EC)
 Zytex 3125 (EC)

PROPOSED DEPTH: 9700'

2/10 TD 3996', on trip (2-8th)
 2/24 07220' Li. (2-21st)
 3/3 08610' " (2-28th)
 3/10 09347' " (3-7th)
 3/24 DST 9040-9185', op. 2 hrs. 52 min,
 Rec. 294' mud, FP 95-210#
 SEP 210#/15 min. TD 9660' Circ.
 4 cond. Logs (3-15th); DST 9395-
 9560', op. 4 hrs, gas in 43 min,
 Rec. 500' H₂O 60 GCM, 25% oil, 4852'
 free oil, 442' H₂O 66 GCM, 50% oil,
 Rec. 308' GCM below sub, 75% oil,
 FP 400-2320#, SEP 2970#/15 min.
 DST 9573-9660', op. 4 hrs, gas in
 8 min, Rec. 500' Li. OH H₂O 66 GCM, Rev.
 Circ. out 12 BO + 35 bbls. atty.
 sub. with, FP 335-2055#, SEP 2950#/
 15 min. TD 9660' Li. attempted
 A/500 gals. OH 9652-60', form.
 would not take, PB 9647',
 perf. not reported, fluid 98.45
 BLO + 3.10 BS + 2.07 BA W/16 Lbs.
 three various sized chs, fluid.
 load (3-21st).
 3/31 Inty (3-25th)
 4/27 Prod. thru perf. 9446-9592'.
 Sephr. at 9147'. Regs. 9446-48',
 9470-72', 9488-9506', 9514-18', 9530-
 66', 9574-92', A/1500 gals. 9446-9592'.

Originally W.C.
 Completion
 THE BOYD COMPANY
 P. O. BOX 92
 MIDLAND, TEXAS

See next
 page

COUNTY LEA, N.M. FIELD BRONCO (SIL-DEV)
 OPR AMERADA HESS CORP.
 LSE FEDERAL "B" WELL NO. 2
Sec 11, T13-S, R-38-E (H)
1983 FNL & 548 FEL of Sec
FRC-CWWO-Orig Amerada Pet. #2 Federal "B"
 API NO. 30-025-07229 CO-ORD _____
 F.R. _____ OBJ _____ ELEV KB 3810'
 RE 9-26-84 SPUD _____ DF _____
 IR _____ TD 11,850 PBD 11,800 P & A _____ GL _____

PAY ZONE	PROD INTERVAL	IP	BO	W	HRS	CHK	TEST BASIS
Sil-Dev	11,695-715	P	165	340	24		
	(-7885) (-7905)						

GOR	GTY	CP	TP	BHP	POT DATE	TREATMENT
					10-10-84	A/2000
CSG	13 3/8-318-400			7-9652-500		
	9 5/8-4536-1300			5 1/2" L-9384-11,802-150		

MIDLAND OIL SCOUTS ASSOCIATION WELL RECORD

COUNTY <u>LEA, N.M.</u> FIELD <u>BRONCO (SIL-DEV)</u> <u>AMERADA HESS CORP. #2 FEDERAL "B"</u> OLD 9660'; Comp 1955 Re-Wrk in 1959, NED 11,850' (-8040) Prod Pf (11,802 OH) PF/11,044-70 (Dev Dual Miss) (-7922) NEW WORK: PB 11,800'; Sqz Old Pf/11,044-070 w/200 sx Pf/11,695-715, A/2000 (12-5-84)	SPL (LOG) MARKERS Miss (10,962) Woodfd (11,620) Dev (11,688) 11688 (-7878) THE SUPERSURFACE LIBRARY P. O. BOX 2586 MIDLAND, TEX 79703
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Sample Log

Sample Desc.

Electric Log 1"-100'

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Amerada Pet. Corp.

LEASE L.W. Ward

SEC. 11 T. 13-S R. 38-E ELEV. 3809' (IAS) (4/10/53)

SEC. 660' FSL BLK. 1191' FEL T. 660' FSL SURVEY

SPUD. 4/7/53 COMP. 7/3/53 T. D. 11,890' Li.

CONTRACTOR P.B.

T. PAY 11,725'

POTENTIAL 399.4 B.O. 6 Lbs. for Calc. IPF 1597 BOPD then
1/2" ch. on 2" at 11,800' "

ACID SHOT FRAC.

Casing Record

DIA.	DEPTH, WT., etc.	CEM.
<u>13 3/4</u>	<u>318</u>	<u>400</u>
<u>8 5/8</u>	<u>4517</u>	<u>900</u>
<u>5 1/2</u>	<u>11,725</u>	<u>700</u>
Tubing		

GOR: 42-9125 GTY. 43.9 CSG. P. # TBG. P. 275 #

FORMATION TOPS

SA 4495
 2nd 8945
 Gls 7810
 Miss 10,800
 New 11,592

PROPOSED DEPTH: 12,000' RT

1/8/53	Loc.
<u>4/24</u>	<u>64985' Li.</u>
<u>4/24</u>	<u>66613' "</u>
<u>5/6</u>	<u>68039' "</u>
<u>5/13</u>	<u>68705' "</u>
<u>5/20</u>	<u>69525' " x 22.</u>
<u>5/27</u>	<u>709628' 1 sq</u>
<u>6/3</u>	<u>910,201'</u>
<u>6/10</u>	<u>919,459' Li. x 22. DST 9417-9650;</u> <u>op. 5 hrs. 24 min, gas 20 min, oil</u> <u>3 hrs. 46 min, fluid 43 BOPD test</u> <u>Li. of test, qty. 42, new out 62</u> <u>BOP, rec. 30' oil below line, no</u> <u>water, FP 335-2300#, SEP 3520#</u> <u>15 min. DST 9640-9724; op. 97</u> <u>min, rec. 313' WB, 94' oil. O-CWB</u> <u>219' O-G-C sub. water. x 94' G-C sub.</u> <u>water. out mud.</u>
<u>6/17</u>	<u>914,140' Li. x 22. DST 10,821-950;</u> <u>op. 1 hr. 52 min, rec. 1800' WB, 290'</u> <u>50 G-C-M.</u>
<u>7/1</u>	<u>911,481' Li.</u>
<u>7/8</u>	<u>TD 11,890' DST 11,828-890; op. 2 1/2 hrs,</u> <u>used 2759' WB, rec. 3069' WB, 930'</u> <u>MC-WB, qty. 42.2. 1 sq. pat. l.</u>

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7/22 Prod. fr. op. hole 11,725-890'
CP plan at 11,600'.

Q.H. 11725(-7916) 11890(-8081)

Sample Log _____
 Sample Desc. _____
 Electric Log 1-100

 Radioactive Log _____

 Halliburton _____
 Caliper _____
 Insol Res. _____

OPERATOR Amerada Pet. Corp.
 LEASE L.W. Ward WELL NO. 2
 SEC. 11 T. 13-S R. 38-E ELEV. 3810' (445) (7/24/53)
 SEC. _____ BLK. _____ T. _____ SURVEY _____
1983' FSL 520' FEL
 SPUD. 7/7/53 COMP. 9/24/53 T. D. 11,871' Dolo.
 CONTRACTOR _____ P.B. _____
 T. PAY 11,650'
 POTENTIAL 1744 B.O. based on 581.80/8 hrs thru 1/2" ch.
 ACID 1000 FRAC. on 2" at 11,864' SHOT _____

Casing Record		
DIA.	DEPTH, WT., etc.	CEM.
<u>13 3/8</u>	<u>319</u>	<u>400</u>
<u>8 5/8</u>	<u>4533</u>	<u>1000</u>
<u>5 1/2</u>	<u>11,650</u>	<u>700</u>
Tubing		

GOR. 113-1 GTY. 45 CSG. P. _____ # TBG. P. 300 #
 FORMATION TOPS
SA 4495
2 1/2" 8960
2 1/2" 7800
Misc. 10,860
Dev. 11,566

PROPOSED DEPTH: 9500' RT

7/29/53 67576' Li
8/5 68665' " + Lh.
8/12 TD 9248' " + CL. + Lh. SD/R.
8/19 TD 9550' " + Lh. On DST.
8/26 TD 9660' DST 9385-9550', op. 5 hrs.
21 mins, gas 12 mins, oil 1 hr. 50 mins
flud. 166 BO/3 1/2 hrs, rev out rec.
FP 470-1800 #, 15 min. SEP 2955 #/
DST 9560-9660', op. 2 1/2 hrs, gas
5 mins, oil 15 mins, flud. 319 BO/
2 hrs. 15 min. Plg. test.
9/2 TD 10,621' Li. & Ch.
9/10 11,154' " & "
9/16 11,403' " & " DST 10,870-11,044'
op. 3 hrs, 1860' WB, WB to surf. 42
mins, oil 54 min, flud. 164 BO/2 hrs
rev out 54 BO/hrs rec. 390' oil,
FP 1360 # - 2275 #, SEP 3880 #/15
min.
9/23 11,508' Li. + Ch.
9/30 TD 11,871' DST 11,780-871', op. 1 hr,
used 2809' WB, rec. WB, 15' mud,
NS, SEP 1332 #/15 min. Laying
down D.P.
10/14 Prod. from op. hole. CP pbr.
at 11,449'.
(59 11650 (7840)
11499 (-7689)
TD 11871 (-8061)

THE SUBSURFACE LIBRARY
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 IRVING, TEXAS

Sample Log
Sample Desc.
Electric Log
Radioactive Log
Halliburton
Caliper
Insol Res.

OPERATOR Amerada Pet. Corp.
LEASE I.W. Ward WELL NO. 3
SEC. 11 T. 13-S R. 38-E ELEV. 3810' (L45) (1/8/54)
SEC. BLK. SURVEY
1982.75' FSL 1511.70' FEL
SPUD. 12/27/53 COMP. 3/8/54 T. D. 11,867' Dole.
CONTRACTOR Roman Dry. Co. P.B.
T. PAY 11,720
POTENTIAL FLD. 1883 B.O.P.D. based on 471/30/6 ^{less than 1/2" ch} _{at 11,861'}
ACID 1000 FRAC. SHOT

Casing Record

DIA.	DEPTH, WT., etc.	CEM.
13 3/4	310	400
9 5/8	4546	1400
7	11,720	700
Tubing		

GOR: 129-1 GTY. 43.5 CSG. P. # TBG. P. 335 #

FORMATION TOPS

Penn. 9500 (40)	Zeller 3092 (64)
Miss. 10,830 (40)	Ch. 7834 (64)
Shad. 11,560 (40)	Sh. 8976 (64)
Grey 224 (64)	Miss. 10,882 (64)
Salt 2304 (64)	Shad. 11,560 (64)
B/Salt 2996 (64)	Dev. 11,628 (64)

PROPOSED DEPTH: 12,000' RT

1/13 55485' Li.
1/10 57326'
2/3 59435' Li.
3/10 510,239' "
4/18 510,810'
2/25 511,250' DST 9455-9675', op. 4 hrs,
gas in 7 min, oil in 1 hr. 12 min;
fluid. 105 BO. 15.5 BSW/2 hr.
45 min, run out, run 309' oil,
62' prod. water, FP 1300-2600 ft.,
SIP 115 min.
3/9 511,761' Li.
2/18 T.D. 11,876' DST 10,940-11,085', op. 4 hrs
gas 2 hrs 59 min, TSTM, run 150
0.66-CWB, 527' H.O. 6-CM, FP 880-
1020 #, SIP 1555# / 15 min.
3/25 Prod. fr. o.d. CP phs. at 11,680'.
A/1000 gals in O.H.

THE SURFACE LIBRARY
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HOUSTON, TEXAS

AREA Bronco Walt's camp

MAP:

Sample Log

Sample Desc.

Electric Log

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Amerada Pet. Corp.

LEASE L.W. Ward

WELL NO. 4

SEC. 11 T. 13-S R. 38-E ELEV. 3809' (C.S.) (11/5/54)

SEC. _____ BLK. _____ T. _____ SURVEY _____

990' FSL 400' FEL

SPUD. 10/29/54 COMP. 12/10/54 T. D. 9645'

CONTRACTOR _____ P. B. 9630'

T. PAY 9607'

POTENTIAL 537 B.O.P. (loss) 22480/10hr thru 20/64" c
FLD. 537 CHOKED: 1" 9628'

ACID 500 FRAC. _____ SHOT. an 2" 9628'

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
<u>13 3/8</u>	<u>318</u>	<u>350</u>
<u>9 5/8</u>	<u>4517</u>	<u>1300</u>
<u>7</u>	<u>9645</u>	<u>500</u>
Tubing		

GOR: 582-1 GTY. 43.1 CSG. P. _____ # TBG. P. 275 #

FORMATION TOPS

Anhy. 2245 (CE) Glo 7815 (CE)
Salt 2294 (CE) 2 half 8923 (CE)
B/Salt 2990 (CE) Penn. 9375 (CE)
Zpita 3082 (CE)
SA 4494 (CE)
Subb 7147 (CE)

PROPOSED DEPTH: 12,000' RT

11/11 84730' (11/8th)
11/18 TD 6784' Li. On trip (11/15th)
11/26 88478' (11/23rd)
12/2 89232' Li. (11/29th)
12/9 TD 9645' Prep perf + test (12/6th)
1955
1/20 Prod thru pipe - 9607-28'
CP pkr. at 9590' DST 9400-9620'
op 4 hrs, rec. 1065' HOD 6-CM,
FP 200-1500#, SEP 1700#/15 min.
DST 9620-45', op. 3 1/4 hrs, gas in
4 min, mud in 13 min, oil in
15 min, fluid 161 Bbl/3 hrs, rec.
Circ out 4430, rec. 279 oil
below sub, FP 1190-2260#,
SEP 3240#/15 min, Perf. 84/
9607-28', A/500 gals.

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①

SE L. W. WARD WELL NO. 4

990 FSL 400 FEL of Sec

UNIQUE NO. 30-025-07233

8-2-78 Re 2-4-78

LOGS _____ SPLS _____ GL _____

PAY	ZONE	PROD	INTERVAL	IP	BO	W	HRS	CHK	TEST
-----	------	------	----------	----	----	---	-----	-----	------

[illegible]

GOR	GTY	CP	TP	BHP	POT DATE	TREATMEN
-----	-----	----	----	-----	----------	----------

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CSG 13-3/8 318 11/400 7" 9645 11/500

7-784-11, W/1000 1 TIME 7-784-11, W/200

WELL: Amerada Hess #4 Ward ELEV

OTD 9645, Orig Comp 1954	Anhy (2260)
--------------------------	-------------

NEW WORK:	B/Salt (2990)
-----------	---------------

Sqzd old pfs 9432-9536 w/150	SA (4494)
------------------------------	-----------

Perf 36/11,516-534'	Tubb (7147)
---------------------	-------------

	Wlfc (8923)
--	-------------

		Miss (10,804)
--	--	---------------

	Dev (11,514)
--	--------------

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[illegible][illegible][illegible]

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Midland, Texas

Public Information Library
P. O. Box 2508
Oakland, Texas

Sample Log

Sample Desc.

Electric Log

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR

Amerada Pet. Corp.

LEASE

L.W. Ward

WELL NO. 5

SEC. 11

T. 13-S

R. 31-E

ELEV. 3810' (C65) (12/31/54)

SEC.

BLK.

T.

SURVEY

1983' FSL 1415' FEL

SPUD. 12/13/54 COMP. 2/6/55 T. D. 9660'

CONTRACTOR

P.B.

9656'

T. PAY 9508

POTENTIAL

FLD.

221

B.O.P.D. thru 2 1/4" ch. on 2" 9510'

GRADE: 1 "

ACID 500

FRAC. 10,000

SHOT

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/8	33 1/2 318	400
8 5/8	4531	700
5 1/2	9655	500
Tubing		

GOR: 1033-1

GTY. 43.9

CSG. P

TBG. P 100

#

FORMATION TOPS

Andls 2258 (C6) Lubk 7169 (C6)
 Salt 2307 (C6) 2 1/4" 8970 (C6)
 B/Salt 3000 (C6) Penn. 9415 (C6)
 Yates 3094 (C6)
 SA 4504 (C6)
 C.F. 6604 (C6)

PROPOSED DEPTH: 9700' RT (21.21)

12/23 9654' (12-20th)

1955

1/6 98073' (1-3rd)

1/13 TD 9288' On trip (1-10th)

2/3 TD 9660' On DST (1-18th). DST rec.

not reported, PBD 9656' Li. Perf.

56/9649-55', A/500 gals. subg. (1-36th);

perf 132/9508-45', 88/9554-74', 24/

9580-86', frac. w/10,000 gals. 9508-

86', subd. load, B/L group. (1-28th)

2/10 Fluid: 135 BBL 24 hrs. thru 2 1/4" ch.

GOR 948-1, TP 70H, CP 25H, fluid 221 BBL

21 hrs. thru 2 1/4" ch, fluid 126 BBL 24 hrs.

thru 2 1/4" ch, totg (2-7th)

2/23 Prod. thru perf. 9508-9655'.

CP-phr. at 9486'.

THE STATE LIBRARY
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OPERATOR Sinclair O&G Co. & George H. Coates
 LEASE Barnes & Golden WELL NO. 1
 SEC. 11 T. 13-S R. 38-E ELEV. 3810' (C&S) (7/15/55)
 SEC. BLK. T. SURVEY
 330' FSL 2310' FWL

SPUD. 6/29/55 COMP. 10/9/55 T. D. 11,805'
 CONTRACTOR P.B. 11,756'
 T. PAY 11,672
 POTENTIAL FLD. 1584 B.O.P.D. (Loss 726 Bbl/1 hr) CHOKE: 3/4" an
 2" 11,739'
 ACID FRAC. SHOT

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/8	323	400
9 5/8	4624	2500
5 1/2	11,780	125
Tubing		

GOR. 55-1 GTY. 43.8 CSG. P. # TBG. P. 150 #

FORMATION TOPS			
SA	4448' (dph)	Salt	2288' (C&S)
Gbr	7880' (dph)	Gather	3068' (C&S)
2 half.	9070' (dph)	Shivers	3224' (C&S)
Misc.	10,945' (dph)	Shivers	4024' (C&S)
Dev.	11,635' (dph)	Shivers	4229' (C&S)
Andy	2239' (C&S)	SA	4494' (C&S)
		2 half.	9020' (C&S)
		Perm. Li.	9610' (C&S)
		2 half.	11,572' (C&S)
		Misc. Li.	10,877' (C&S)
		Dev.	11,660' (C&S)

PROPOSED DEPTH: 12,000' RT

7/14 03055' Andy. + Salt (7-11th).
 7/28 TD 4625' Li. WOC (7-18th), tatg (7-25th).
 8/11 Tatg (8-8th)
 8/25 DST 9462-9540'; 1200' WB, op. 3 hrs,
 gas in 3 hrs, new circ. out WB &
 180' O&GCM, press. failed. 0 9607'
 Li. & sh. (8-22nd).
 9/2 010,057' (9-5th).
 9/22 011,749' (9-20th).
 10/6 TD 11,798'. DST 11,669-794', op. 2 hrs,
 fluid. 174 Bbl/hr, rec. 40' oil. WOC (9-3rd).
 10/22 TD 11,805' Tatg.
 10/27 Prod. thru perf. 11,672-750'.
 CP perf. at 11,651'. Perf. 8/11, 748-750',
 phr. at 11,710'. DST perf. 11,748-50',
 1200' WB, op. 2 hrs. 20 min, oil &
 WB 1 hr. 20 min, fluid. 37 Bbl/hr,
 rec. circ, no flow, FP 1005-4005#,
 SEP 4.645#/30 min, perf. 304/11,672-
 748'. Natural.

11672(-7862) - 11740(-7939)

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 P. O. BOX 912
 MIDLAND, TEXAS

11/1

COUNTY LEA, N. M. FIELD BRONCO (MISS)

OPR ATLANTIC RICHFIELD CO. WELL NO. 1

LSE BARNES & GOLDEN

LOC Sec. 11, T-13-S, R-38-E (N)

330' FSL & 2310' FWL Sec.

FRC-OWO-Orig. Sinclair & Coates #1 Barnes & Golden

UNIQUE NO 30-025-07235

MAPS 12-3-75 CO. ORD 10-27-75

F. R. OBJ Re spud 3810'*

CTR LAHEE CLASS ELEV D. F. 11-4-75

LOGS 11,805' SPLS 11-4-75

TD PBD ABD LOC T & A

PAY ZONE PROD INTERVAL IF BO W HRS CHK TEST BASIS

TEMPORARILY ABANDONED

GOR	GTY	CP	TP	CHP	POT DATE	TREATMENT
CSG	13-3/8 - 325 - 400	5 1/2 - 11780 - 125				
	9-5/8 - 4624 - 2500					

11

COUNTY LEA, NEW MEXICO FIELD BRONCO (WOLF CAMP)

OPR ATLANTIC RICHFIELD COMPANY WELL NO. 1

LSE BARNES & GOLDEN

LOC Sec 11, T-13-S, R-38-E (N)

330 FSL & 2310 FWL of Sec

FRC-OWO-Orig. Sinclair & Coates #1 Barnes & Golden

UNIQUE NO 30-025-07235

MAPS 9-15-76 CO. ORD 7-26-76

F. R. OBJ Re spud 3810'*

CTR LAHEE CLASS ELEV D. F. 11-4-75

LOGS 11,805' SPLS 11-4-75

TD PBD ABD LOC T & A

PAY ZONE PROD INTERVAL IF BO W HRS CHK TEST BASIS

TEMPORARILY ABANDONED

GOR	GTY	CP	TP	CHP	POT DATE	TREATMENT
CSG	13 3/8 - 325 - 400	5 1/2 - 11780 - 125				
	9 5/8 - 4624 - 500					

COUNTY LEA, N. M. FIELD BRONCO (MISS)

WELL: ATLANTIC RICHFIELD #1 BARNES & GOLDEN ELEV

DATE WELL RECORD REACHED T. D.

SPL (LOG) MARKERS

OTD 11,805' Anhy (2239)

Old Prod Int Pfs 11,672-750 Salt (2280)

NEW WORK DONE: Yates (3068)

7 Riv (3224)

Queen (4024)

San And (4494)

OTD 11,805', PR 11,408' Gior (5947)

Perf 2 @ 10,983, 10,990, 10,993, 10,996, Drink (6589)

10,999, 11,002, 11,005, 11,008, 11,011, Tubb (7157)

11,014 Abo (7840)

A/16,000 Wolfc (9020)

S/281 BXW/9 1/2 hrs Penn (9610)

(12-3-75) Miss (10877)

Woodf (11572)

Dev; (11660)

COUNTY LEA, NEW MEXICO FIELD BRONCO (WOLF CAMP)

WELL: ATLANTIC RICHFIELD #1 BARNES & GOLDEN ELEV

DATE WELL RECORD REACHED T. D.

SPL (LOG) MARKERS

OTD 11,805' Anhy (2239)

Old Prod. Int. Pfs. 11,672-750 Salt (2280)

Reworked in 1975 Yates (3068)

Temp. Abnd. 11-4-75 7-Riv (3224)

Queen (4024)

S.A. (4494)

NEW WORK DONE: S.A. (4494)

OTD 11,805' PR 9623 Gior (5947)

Perf 1 @ 9349, 9352, 9355, 9358, 9422, Drkd (6589)

9425, 9428, 9431, 9435, 9472, 9475, Tubb (7157)

9479, 9482, 9508, 9510, 9526, 9529, Abo (7840)

9532, 9535, 9557, 9560, 9565, 9568, Wlfc (9020)

9572, 9575, 9578, 9582. Penn (9610)

A/500 Miss (10877)

Swbd 15 BL, no gas Wood (11572)

(9-15-76) Dev (11660)

Sample Log

Sample Desc.

Electric Log

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR

Sinclair O&G Co. + Geo. H. Contas

LEASE

Barnes & Golden

WELL NO. 2

SEC. 11

T. 13-S

R. 38-E

ELEV. 3808' (LES) (12/2/55)

SEC.

BLK.

T.

SURVEY

1650' FSL 2310' FWL

SPUD. 11/22/55 COMP.

3/1/56 T. D. 11,800' Li.

CONTRACTOR

P.B.

T. PAY 11,792

POTENTIAL

FLD.

404

B.O.P.D. (Residual 10180/6hr) CHOKER: 3 1/2" on 2"

ACID

FRAC.

SHOT

11,793'

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/8	326	350
9 5/8	3645	200
7	11,792	150
Tubing		

GOR: 1227

GTY. 44.2

CSG. P

TBG. P 65

#

FORMATION TOPS

SA 4491 (24) Queen 4036 (84) Fullerton 7227 (62)
 Gbr 785 (24) Grayh. 4245 (64) Gbr 7853 (89)
 2helfe. 9033 (24) SA 4506 (64) 2helfe. 9057 (64)
 Anky. 3247 (64) Hlar. 5962 (64) Penn. Li. 9610 (64)
 Yates 3090 (64) CF. 6610 (64) Miss. 10,985 (64)
 7 Rivers 3138 (64) Lubbock 7171 (64)

PROPOSED DEPTH: 12,000' RT

12/1 32279' P. Id.
 12/8 Same
 12/15 35497' Li.
 1956
 11/5 36758'
 11/19 39415' Li.
 2/2 311,095' DST 9490-9575', op. 3 hrs
 rec. 500' WB, 1800' OCM & 6900' mud
 FP 460-920#, SEP 1530#/30 min.
 2/9 311,316' Li.
 2/11 311,535' DST 11,115-115', mud
 2050' WB, op. 3 hrs, gas 1 hr 35 min.
 rec. 205' - 11.000' WB & 55' HGT
 OCM, FP 935-1645#, SEP 3355#/30 min.
 3/1 TD 11,800' DST 11,700-800', op. 3 hrs
 rec. 9100' oil, gas 45 min.
 3/32 Prod. fr. O.H. DST 11,725-775', op.
 2 1/2 hrs, rec. 190' HGT OCM & 840' free
 oil, FP 1095-1385#, SEP 4705#/20
 min.

11-3066' (2 hrs 1/2)
 SA = 4505'
 G/O = 5055'
 "B" = 9170'
 Miss = 10285'
 Dev. = 11714'

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MIDLAND, TEXAS

12

JNTY. LEA, N. M.		FIELD BRONCO (DEVONIAN)	
WELL: SINCLAIR #2 BARNES & GOLDEN		ELEV 3800' GL-Op	
DATE	WELL RECORD	REACHED T. D.	SPL (LOG) MARKERS
	TD 11,860' OTD 11,800' 11793(-7995) 11800(-7992)		Anby (2247)
	Old Dev OH 11,793-800 (comp 3-1-56)		Yates (3090)
	(WO) Dev Perfs 11,786-792 (comp 10-29-57) 11786(-7978)		7-Riv (3238)
	(WO) Miss Perfs 11,096-116 (comp 3-12-60)		Queen (4036)
	Sqzd old perfs 11,096-116 w/100 sx.		Gbg (4245)
	A/2000 old perfs 11,786-792 and OH		SA (4506)
	11,792-860		Glor (5962)
	Pmpd 135 BO 2000 BW 24 hrs.		Clfk (6610)
			Tubb (7171)
			Fullerton (7287)
			Abn (7853)
			Wlfc (9057)
	(5-1-69)		Penn Lm (9610)
			Miss (10985)
			Wood (11690)
			Dev (11772)

The Subsurface Library
P. O. Box 942
Midland, Texas

Sample Log _____

Sample Desc. _____

Electric Log 1-100

Radioactive Log _____

Halliburton _____

Caliper _____

Insol Res. _____

OPERATOR Sinclair O&G Co.LEASE H.H. Harris Tr "A"WELL NO. 1SEC. 11 T. 13-S R. 38-E ELEV. 3818 (L&S) (8/24/54)

SEC. _____ BLK. _____ T. _____ SURVEY _____

990' FNL 571' FELSPUD. 8/12/54 COMP. 11/18/54 T. D. 11,915'CONTRACTOR _____ P.B. 11,898'T. PAY 11,855'POTENTIAL 792 B.O.P.D. (hasia 6680 lbs) thru 3/8" Ch. 2" CHOKE: 1 "11,884"ACID 2000

FRAC. _____

SHOT _____

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/4	33 1/4	400
9 5/8	4685 3674	2000
7	11,904	500
Tubing		

GOR. 320-1 GTY. 44.8 CSG. P. 175 # TBG. P. 115 #

FORMATION TOPS

Mesa.	11,153	Also	7867 (CL)
Dew.	11,837	2nd	9079 (CL)
SA	4525 (2nd)	3rd	9637 (CL)
Blk.	5985 (CL)	Mesa.	11,140 (CL)
Just	7210 (CL)	2nd	11,748 (CL)
Fullerton	7315 (CL)	Dew.	11,815 (CL)

PROPOSED DEPTH: 11,950' RT8/24 11,407'9/19 11,4385' Andy.9/16 11,6560' Li. DST 5215-5300', ap. 2 hrs,
run 60' slg. O&G-CM, no press.9/23 11,8780' (9-22nd)10/17 11,9452' Li. (10/5 th)12/14 11,9650' DST 9480-9553', ap. 3 hrs, used
500' WB, gas in 31 min., run WB, 300'
O-CM & 2100' oil, FP 475-1000#, SEP 3075# /
15 min. (10/9 th) & 10,650' (10/12 th)10/21 11,105' Li. & Ch. (10/19 th)10/28 11,405' (10/26 th)11/4 11,504' DST 11,231-301', ap. 3 hrs, run
2300' WB, 430' free oil, 90' O&G-CM,
920' SW, FP 225-1675#, SEP 3300# /
20 min. (11/1st)11/11 11,475' (11/8 th)11/18 TD 11,905' DST 11,842-875' ap. 1 hr.
10 min, used 2400' WB, run WB &
20' mud, FP 1050#, SEP 1050# / 15 min
DST 11,835-890', ap. 3 hrs, no mud
2330' WB, run WB & 190' O-CM & 730'
oil, FP 1075-1350#, SEP 4725# /
20 min. (Prep DST (11/15 th))11/26 TD 11,905' Li. P.D. 11,898'. DST 11,890-
905', ap. 3 hrs, used 2480' WB, run
WB, 7200' free oil, 300' MCO & 30'
brackish water, FP 1450-4175#,
SEP 4700# / 20 min. 1st (11/22nd)THE SUBSURFACE LIBRARY ®
P. O. BOX 912
MIDLAND, TEXAS12/2 Perf. 180/11,855-890' (Dew), run 2"
14884', run 19130/14 hrs, run 14
189. B & 1/2 hrs, run 14 hrs, run 268
80/13 hrs. then 3/8" Ch, TP 115#, CP
175#, fluid 33 BAPH/2 hrs. (11/29 th)12/23 Prod. then gas. 11,855-890'.Top
Perf 11,855-890'
11,8037' + (-8072)
11,8103
TD 11,905' (-8087)

13

COUNTY LEA, N.M. FIELD BRONCO (MISSISSIPPIAN)
OPR SINCLAIR OIL & GAS COMPANY
SE H. H. HARRIS "A" WELL NO. 1
OC Sec 11, T-13-S, R-38-E, 990 FNL 571 FEET OF SEC
Orig Comp 11-18-54
OWMO FRC

MAPS 12-23-66 OBU METHOD Re Spud 10-27-64
F. R. 3818 ELEV D. F. 3807
CTR C. R. SPTS GL 3807
LOGS QD 11, 905 11 PBD 11, 335 ABD LOC BO W BSW HRS TEST BASIS
PAY ZONE TOP PAY PRODUCING INTERVAL IP
Miss 11, 286 11286-11306 P 18 24
CHOKER GOR GTY CP TP POT DATE TREATMENT
870 11-20-66 A/5500

CSG TBG-PKR RECORD REACHED T. D. 7 - 11, 904 - 500
13 3/8 - 334 - 400
9 5/8 - 4685 - 2000

UNTY LEA, N.M. FIELD BRONCO (MISSISSIPPIAN)
WELL: SINCLAIR OIL & GAS CO. #1 H. H. HARRIS "A" ELEV 3818 DE

DATE	WELL RECORD	SPL (LOG) MARKERS
OTD 11, 905 11me	PBD 11, 335	Anhy (2270)
Sqzd Perfs 11, 855-11, 890 w/325		Salt (2350)
Perf 4/11, 342		B/Salt (3000)
A/250 didn't break		Yates (3105)
Perf 8/11, 354-11356		7 Riv (3250)
A/250 didn't break		Qu (4004)
Set BP @ 11, 335		GB (4257)
Perf 40/11, 286-11, 306		SA (4517)
MA/500 AC/5000		Glor (5985)
		Tubb (7209)
	(12-23-66)	ABO (7887)
		WC (9079)
		Penn (9667)
		Miss (11, 137)
		Wood (11, 748)
		Dev (11, 818)

The Subsurface Library
P. O. Box 942
Midland, Texas

13

COUNTY LEA, N.M. FIELD BRONCO (WOLFCAMP)
OPR SINCLAIR OIL & GAS COMPANY
SE H. H. HARRIS "A" WELL NO. 1
OC Sec 11, T-13-S, R-38-E, 990 FNL 571 FEET OF SEC
Orig Comp 11-18-54; Comp in Miss 11-20-66
OWMO-FRC

MAPS 3-17-67 OBU METHOD Re Spud 2-11-67
F. R. 3818 ELEV D. F. 3807
CTR C. R. SPTS GL 3807
LOGS TD 11, 905 PBD 9640 ABD LOC BO W BSW HRS TEST BASIS
PAY ZONE TOP PAY PRODUCING INTERVAL IP
WC 9486 9486-9596 P 81 39 24
CHOKER GOR GTY CP TP POT DATE TREATMENT
346 42 2-23-67 A/1000

CSG TBG-PKR RECORD REACHED T. D. 7 - 11, 904 - 500
13 3/8 - 334 - 400
9 5/8 - 4685 - 2000

UNTY LEA, N.M. FIELD BRONCO (WOLFCAMP)
WELL: SINCLAIR #1 HARRIS "A" ELEV 3818 DE

DATE	WELL RECORD	SPL (LOG) MARKERS
TD 11, 905 11me	PBD 9640	Anhy (2270)
Perf 34/9486-88; 9508-10; 9526-34;		Salt (2350)
9531-96; A/1000		B/Salt (3000)
(3-17-67)		Yates (3105)
		7 Riv (3250)
		Qu (4004)
		GB (4257)
		SA (4517)
		Glor (5985)
		Tubb (7209)
		ABO (7887)
		WC (9079)
		Penn (9667)
		Miss (11, 137)
		Wood (11, 748)
		Dev (11, 818)

The Subsurface Library
P. O. Box 942
Midland, Texas

AREA Bronco Field

MAP: _____

Sample Log _____

Sample Desc. _____

Electric Log 1-100

Radioactive Log _____

Halliburton _____

Caliper _____

Insol Res. _____

OPERATOR Amerada Pet. Corp.LEASE Federal

"A"

WELL NO. 1SEC. 14 T. 13-S R. 38-E ELEV. 3810 (LES) (2/24/53)SEC. 1980 BLK. _____ T. _____ SURVEY _____1982' ENL 1143' FELSPUD. 7/8/53 COMP. 10/1/53 T. D. 11,962' Dole

CONTRACTOR _____ P.B. _____

T. PAY _____

FLD. _____

DEA

POTENTIAL PFD. _____

B.O. _____

CHOKE: / "

ACID _____

FRAC. _____

SHOT _____

Casing Record

DIA.	DEPTH, WT., etc.	CEM.
<u>13 3/8</u>	<u>319</u>	<u>450</u>
<u>8 5/8</u>	<u>4569</u>	<u>1000</u>
Tubing		

GOR: _____ GTY. _____ CSG. P. _____ # TBG. P. _____ #

FORMATION TOPS

SA. <u>4545</u>	<u>26</u>	<u>Int. 7207</u>
<u>Sh. Alb. 7900</u>	<u>7900</u>	<u>Alb. 7900</u>
<u>Sh. 9050</u>	<u>9050</u>	<u>Miss. 11,080</u>
<u>Gr. 2287</u>	<u>2287</u>	<u>Sh. 11,830</u>
<u>Salt 2314</u>	<u>2314</u>	<u>Dew. 11,932</u>
<u>Gp. 3110</u>	<u>3110</u>	

PROPOSED DEPTH: 12,000' RT7/29/53 67263' Li.8/5 68484' "8/12 69626' "8/24 610,190' " DST 9480-9585', op.
1 hr. 15 min., rec. 376' SO & 6-CM,
FP 285-470#, 15 min. SEP 2245#9/2 610,764' Li. & Ch.9/10 611,169' " r " DST 10,765-968', op.4 hr., used 1692' WB, Ali. BA
Cont'd. throught, rec. WB, 282'
mud & 188' mud cut ali. w/ gas
& SW, NS, FP 790-960#, 15 min.
SEP 2845#.9/16 611,447' Li. & Ch. DST 11,100-210', op.4 hr., rec. 1974' WB, 282' H6-CM, NS
oil & formation water, FP 935-995#,
SEP 1140 #/15 min.9/23 611,557' Li.9/30 611,770' " , Sh. & Ch.10/7 TD 11,962' P&A.10/21 DST 11,935-962', op. & rec, rec. 2820'
WB, 605' SW, FP 1235-1475#, SEP
4750 #/15 min.THE SURFACE LIBRARY @
P. O. BOX 612
MIDLAND, TEXAS

11935
3810
-8125)
11962(-8152)

AREA Bronco Silver-Dew

01

MAP:

Sample Log

Sample Desc.

Electric Log 1-100

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Amerada Pet. Co.

LEASE Federal

WELL NO. 2-A

SEC. 14 T. 13-S R. 38-E ELEV. 3810' (I&S) (10/16/53)

SEC. 660' FN 1274' FE BLK. 1274' FE T. 1274' FE SURVEY

SPUD. 10/11/53 COMP. 12/30/53 T. D. 11,870'

CONTRACTOR 11,862' P.B. 11,862'

T. PAY 14,490

POTENTIAL 413 B.O. 24 hrs. then 1/2" ch. on 2" thg. at 11,830

ACID 11,830 FRAC. 11,830 SHOT 11,830

Casing Record

DIA.	DEPTH, WT., etc.	CEM.
13 7/8	318	450
8 5/8	4528	1200
5 1/2	11,870	600
Tubing		

GOR. 124-1 GTY. 44.2 CSG. P. 50 # TBG. P. 50 #
FORMATION TOPS

SA 4500
Glo 2820
2 1/2" 8944
Misc. 10,720
Gndy. 2267
Yatta 3089

PROPOSED DEPTH: 12,000' RT

THE SOUTHERN COMPANY

P. O. BOX 114

MIDLAND, TEXAS

10/21 6280' RB

10/27 66482' Li

11/4 67230' "

11/11 69213' "

11/28 DST 9185-9356', op. 1 hr. 24 min,
rec. 341' WB & 40' mud, FP 4500,
15 min. SEP 4500. DST 9398-9601'
op. 4 hrs, rec. 470' WB, 629' G-CM &
125' O-CM. Jaty.

12/2 610,941' L. & Ch.

12/9 611,188' " & " DST 10,725-924', op.
2 hrs, used 1690' WB, no rec. DST
10,805-924', op. 1 hr. 10 min, rec.
1786' WB, 62' mud, N.S. DST 10,805-
924', op. 1 hr. 10 min, rec. 1786' WB &
2' mud, FP 750-795#, 15 min. SEP
720 #.

12/16 611,579' Li

12/23 611,821' " 4 ch.

1/5 1/6 TD 11,870' DST 11,715-805', op.
4 hrs, used 2725' WB, rec. 2726'
WB, cut w/lost. 10% oil & 6-CM,
8894' face oil, 4% muddy w/
gravel 44.4, FP 1075#, SEP 4095#
15 min. Perforating.

11/13 TD 11,870' PB 11,862'. Perf. 328/
11,490-572', 256/11,586-650', A/600
gals.

1/20 Prodn. then perf. 328/11,490-
572', 256/11,586-650'. CP per
at 11,350#. DST 11,845-72'
rec. 2820' WB, 1250' O&G-CM,
FP 1845 #.

11490(-7680)-11650(-7840)

DST 11845-858 Op 1' 42"
R/2820' WB + 125 O&GCM
FP 1845-1900, 30" SIP 3300 #

LOC. DATE: 7/22/54

AREA Bronco Devonian Field

MAP:

Sample Log V
 Sample Desc. V
 Electric Log 1-100
 Radioactive Log _____
 Halliburton _____
 Caliper _____
 Insol Res. _____

OPERATOR Amerada Pet. Corp.
 LEASE Virgil Linam WELL NO. 1
 SEC. 14 T. 13-S R. 38-E ELEV. 3816' (C&S) (8,254)
 SEC. _____ BLK. _____ T. _____ SURVEY _____
660' FNSWL
 SPUD. 7/21/54 COMP. 10/1/54 T. D. 11,958'
 CONTRACTOR _____ P.B. 11,916'
 T. PAY 11,900 FLD. _____
 POTENTIAL 303 B.O.P. plus 23 BSW thru 1/4" ch. on 2" 11,91
 ACID 500 FRAS. _____ SHOT _____
+ 76 BBS + 74 RWPD

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
13 3/8	319	350
8 5/8	4577	1200
5 1/2	11,958	250
Tubing		

GOR: 147-1 GTY. 41.8 CSG. P. _____ # TBG. P. 200 #

FORMATION TOPS

SA 4530 (EL)	Dev. 11,868-11,958	S&L 5974 (EL)
Shor. 5920 (dpl)	Aho 7910 (dpl)	Tubh 7214 (EL)
Shelf 9020 (EL)	Shelf 9020 (dpl)	Miss. 11,118 (EL)
Perm. 9588 (dpl)	Shor. 11,774 (40)	Dev. 11,857 (EL)
Miss. 11,125 (dpl)	Dev. 11,857 (dpl)	
Shor. 11,800 (EL)	Gashy 2282 (EL)	
	Salt 3014 (EL)	
	Gashy 3110 (EL)	

PROPOSED DEPTH: 11,900' RT

8/5 45300' Li.
 8/12 45687' DST 5059-5300', ap. 1 hr.
 39 min, rec. 65' mud, NS.
 8/19 48471' FP 25#
 8/26 49450' 15"/25#
 9/2 49420'
 9/9 49401' Li. + Ch.
 9/16 TD 11,481' DST 9485-9450', ap. 4 hrs,
 5500' WB, gas 45 min, 6300 CFPD,
 unloaded WB & 250' mud, 5900'
 free oil, rec. below sub 160'
 oil, 110' SW, gas 40.2, FP 285-
 2055#, SEP 3380#/15 min. Trip.
 9/23 TD 11,883' Li. Prep. DST. (9-22nd)
 9/30 TD 11,958' " WOG (9/28th) DST
 11,868-883', (Dev) ap. 1 hr. 17 min,
 rec. 2790' WB, 60' OGG-CM, est. 15% oil
 & 10' free oil, 40' gas, FP 1265#,
 SEP 3980#/15 min. (9/23rd); DST 11,883-
 908' (Dev) ap. 4 hrs, rec. 2790' WB, 675'
 free oil & 2652' sly. OGG-CWB plus
 45' oil below sub, FP 1505#, SEP
 4755#/15 min. (9/24th); DST 11,908-
 958', ap. 4 hrs, rec. 882' gas in DP,
 2790' WBCO, 2% mud, 6120' free oil,
 cut 2% mud, 2% WB, gas 41.4, 1819'
 SW, FP 1640 # - 42500 (9/28th) 15" SIP 4780 #
 Botw sub removed 120' int + 150' SW

10/7 Prep. 11,900-910', fluid. 157.38 BSW;
 55 bbls. BSW/15 hrs. thru 1/4" ch.
 MOR (10/1st).
 10/21 Prod. thru perfs. 11,900-910'.
 CP-per. at 11,350. Prep. 11,900-910';
 11500 gal, fluid. 92 BSW & 6 BSW/6 hrs.
 thru 1/4" ch, fluid. 157.38 BSW & 55 bbl
 BSW/15 hrs. thru 1/4" ch.

11900 (-8084) - 11910 (-8094)

THE SUBSURFACE LIBRARY ®
 P. O. BOX 942
 MIDLAND, TEXAS

DST 11190-290, 2097 WB Op 1' 20"
 R/WB + 120' DM FP 1020#, 15" SIP 1740#

AREA

Bronco Siluro Dev.

MAP:

Sample Log

Sample Desc.

Electric Log 1-100

Radioactive Log

Halliburton

Caliper

Insol Res.

OPERATOR Amerada Pet. Corp.LEASE Virgil Linam WELL NO. 2SEC. 14 T. 13-S R. 38-E ELEV. 3313' (L&S) 10/14/55

SEC. _____ BLK. _____ T. _____ SURVEY _____

330' FNL 2310' FWLSPUD. 10/11/55 COMP. 12/29/55 T. D. 11,850' Sub.

CONTRACTOR _____ P.B. _____

T. PAY 11,785POTENTIAL 623 B.O. P.D. (hasia 15680/6 Lrs) CHOKE: 3/4" an 2"ACID _____ FRAC. _____ SHOT 108341

Casing Record

DIA.	DEPTH. WT., etc.	CEM.
<u>133/8</u>	<u>318</u>	<u>400</u>
<u>85/8</u>	<u>4549</u>	<u>1300</u>
<u>7</u>	<u>18117</u>	<u>200</u>
<u>5 Lrs.</u>	<u>10,017-11,785</u>	<u>350</u>
Tubing		

GOR: 125-1 GTY. 43.4 CSG. P. _____ # TBG. P 50 #

FORMATION TOPS

Mias. 10,890 (dls)
Shady. 11,568 (EL)
Dev. 11,636 (EL)
T.S. includes 10000-9878

PROPOSED DEPTH: 11,900'

11/17 49881'
12/1 410,826' DST 9410-9610', op. 4 Lrs,
gas 3 Lrs. 40 min, rec. 447'
HGCM + 252' O&GCM, FP87-203#,
SIP 320#/15 min.
12/8 DST 9610-75', op. 4 Lrs, gas 5 min,
oil 47 min, fluid. 5880/3 Lrs.
13 min, rec. line. 2980, rec. 85'
free oil, 25 min, FP 270-1400#,
SIP 2795#/15 min. 411,144' Li. + Ch.
12/15 411,398' Li. + Ch.
1956 1/5 4 below 11,700'
11/2 same
11/9 Prod. then prod. 11,785-828'
CP for 11,527'. A/500 GMA.

11785(-7972) - 11828(-8015)

THE SUBSURFACE LIBRARY ®
 P. O. BOX 912
 MIDLAND, TEXAS

Well was
 Block speared
 In to casing

Sample Log ☒
 Sample Desc. ☒
 Electric Log 1-100
 Radioactive Log
 Halliburton
 Caliper
 Insol Res.

OPERATOR Amerada Pet. Corp.
 LEASE H.D. Schenck WELL NO. 1
 Sec. 14 T. 13-S R. 38-E ELEV. 3810' (C.R.S.) 12/12/52
 Sec. Blk T. Survey
 660' FNL 477' FEL
 SPUD 11/21/52 COMP 4/8/53 T. D. 12,548' Gen. PB 11,940'
 CONTRACTOR TOOLS
 PAYS 14,700
 SHOT
 ACID 2000 + 35 BBS
 POTENTIAL IPF 560-BARD + 5.8% BS then 3/4" ck. on 2" at 11,900.

Casing Record		
DIA.	DEPTH, WT., etc.	CEM.
133/8	319	400
95/8	4426	1000
5 1/2	11,335-12,030	70

PRESSURE; Tbg: 500# Csg: Gr. 43.5 GOR: 205-1
 FORMATION TOPS
 Anhyd. 2170 Mont. 12,240
 Yates 3100 Simp. 12,456
 CF. 6580 Granite 12,530
 Gp. 7810
 Shelf. 8920
 Rev. 11,402
 Wood Sh. 11,330
 12,000'

THE SUBSURFACE LIBRARY
 P. O. BOX 942
 MIDLAND, TEXAS

1952

11/26 Ø 1575'
 12/3 Ø 4356'
 12/10 Ø 5088'
 1953 DST 5155-5304, Op 4 hrs
 R/140 SG = SWCM W/SSO
 1/7 Ø 8221' No pierce rept d
 1/14 Ø 8675' Li
 1/21 Ø 10,008' " + Sh
 1/28 Ø 10,712' " + " DST 9414-9525;
 op. 4 hrs, 425' WB, gas in 29 min;
 DP unloaded while Cong. out of
 hole, eat 852' M-C, 50% oil,
 rec. 244' Ø 6-CM & 425' Ø 6-M-C
 WB, FP 645#, SIP 2290#/15 min
 2/4 TD 10,807' DST 10,672-807', op.
 11/55 2 hrs. 31 min, rec. 1712' WB, 30' mud,
 NS, FP 800#, SIP 990#/15 min.
 Prep. dat. ahead.
 2/11 TD 10,845' Tag.
 2/18 Ø 10,265' Li + Sh
 2/25 Ø 10,355' " x Sh.
 3/4 Ø 11,993' Data
 3/11 TD 11,915' Li. DST 11,825-865', op. 4 hrs,
 used 2753' WB, gas in 3 hrs. 48 min,
 acc. unreported amt. of oil. DST
 11,865-915, op. 7 hrs. 49 min, 2815'
 WB, WB to surf in 3 hrs. 35 min,
 fluid to pits ext. 11.66 bbls. WB, 3.16
 BO, turned to take + fluid. 19.17 BO
 cut 10% to water, 2% mud, 2 hrs,
 50 min, gas vol. 10,400 CF6PD,
 GAR 57-1, gty. 51, fld down 2.07
 BO, rec. 3.92 BO, cement out
 37.95 BO, 2% BSEW, rec. 270' oil,
 cut 10% mud, 180' mud, cut 10%
 oil, no show water, FP 1400-4000,
 SEP 5020#/15 min. Prep. drill.
 3/18 Ø 12,295' Li. DST 11,915-965', op. 4 hrs,
 no gas or fluid to surf, rec. 3745'
 drag pipe, 2904' WB which was
 sh. Ø 6-C, eat 1% oil, 5116' alt.
 water, sh. 6-C, FP 1235-3555,
 SEP 4610#/15 min. 11915-8105)
 3/25 Ø 12,445' Li. To 11965-8155)
 4/1 TD 12,548' DST 12,452-505', op.
 1 hr. 38 min, used 1590' WB,
 no oil, water or gas to surf,
 rec. 1590' WB, 30' mud, FP 740-770,
 SIP 810#/15 min. DO 11,940', ran
 liner. Prep. run log.
 4/8 TD 12,548' PB 11,940'. Ran thg.
 Prep. acid.
 4/22 Prod. thg. perfor. 320/11,700-
 780' + 360/11,800-890'. CP pka
 * DST 5155-5304', op. 2 hrs. 20 min,
 rec. 140' SG-C & SWC-MW/RB/50.
 DST 11,765-825', op. 4 hrs, used
 2723' WB, gas in 226 min, use.

Rev out 1350' oil
 Rec 450' OCM below sub.
 FP 1510-3860
 15" SIP 4735-#

11700(-7890)-11890(-8080)

19

LSE SPEIGHT WELL NO. 1

700 FNL & 330 FEL of Sec

UNIQUE NO. 30-025-23666

F. R. 1-6-71 OBJ 9700' RT SPUD 12-30-70

CTR _____ LAHEE CLASS _____ ELEV D. F. _____

LOGS _____ SPLS _____ GL 3806'0p

TD 9634 PBD ABD LOC. P & A 2-8-71

PAY ZONE	PROD INTERVAL	IP	BO	W	HRS	CHK	TEST BASIS
----------	---------------	----	----	---	-----	-----	------------

PLUGGED & ABANDONED

GOR	GTY	CP	TP	BHP	POT DATE	TREATMENT
-----	-----	----	----	-----	----------	-----------

CSG 12 3/4" @ 322 w/ 350

8 5/8" @ 4600 w/ 350

— 1 —

WELL: BUCK WILSON #1 SPEIGHT ELEV

DATE	WELL RECORD	REACHED T. D.	SPL (LOG) MARKERS
------	-------------	---------------	-------------------

TD 9634'	P&A 2-8-71	Salt(2320)
----------	------------	------------

DST 9010-9170, op 60" Rec 90' OM, 60" B/Salt(3265)

ISIP 3042- FP 137-187, 120" FSIP 3087 G1or(5990)

DST 9438-9630, op 75", Rec 80' ØM, Abo(7885)

60" ISIP 386, FP 210-210, 120" FSIP	Wlfc(9015)
-------------------------------------	------------

315

(2-10-71)

The Schenck Hotel,
N. Y. City.
March, 1935

ONE-HALF MILE TABULATION OF PLUGGED AND ACTIVE WELLS
See attachments for Schematic Diagrams

I. Section 10, T13S, R38E

1. Pure Oil #1 Townsend, 660 FSL & 330 FEL, Drilled 8/5/55
Perf. 9349-9698' - Wolfcamp Zone - Oil well - TD 9700'.

Csg:	Plugs:
11 3/4-339'-450 sx.	Cmt. ret. w/25 sx @ 9500'
8 5/8-4598'-1700 sx.	7 sx @ 7200-7250'
5 1/2-9699'-400 sx.	25 sx. @ 4575-4625'
	10 sx. @ top

II. Section 11, T13S, R38E

2. Amerada #1 Maddux, 660 FSL & FWL, Drilled 4/12/88
TD 11,997' - Devonian zone - Dry hole

Csg:	Plugs:
13 3/8-385'-400 sx.	11,840-910'-40 sx
9 5/8-4630'-1355 sx.	11,038-138'-40 sx.
	8954-9034'-50 sx.
	4580-4680'-50 sx.
	1950-2050'-40 sx.
	335-385'-40 sx.
	Surface-10 sx.

III. Section 14, T13S, R38E

3. Amerada #1 Linam, 660 FNL&FWL, Drilled 7/21/51
TD 11,850', Perf. 11,900-11,910' - Devonian Oil Well - Active Producer

Csg:
13 3/8-319'-350 sx.
8 5/8-4577'-1200 sx.
5 1/2-11,958'-750 sx.

IV. Section 15, T13S, R38E

4. Earl Bruno (Newhall) #2 Speight, Drilled 10/17/86, TD 11,890'
Perf. 11,883-885' - Devonian Dry Hole - Perf 9568-76' - Wolfcamp Dry Hole

Csg:	Plugs:
13 3/8-348'-450 sx.	Cmt. retainer 11,600'
8 5/8-4608'-1700 sx.	
5 1/2-11,890'-300 sx.	

5. Buck Wilson #1 Speight, 700 FNL & 330 FEL, TD 9634, Drilled 1/6/71 -
Dry Hole

Csg:	Plugs:
12 3/4-322'-350 sx.	9544-9630'-25 sx.
8 5/8-4600'-350 sx.	8914-9000'-25 sx.
	7814-7900'-25 sx.
	5914-6000'-25 sx.
	4514-4600'-25 sx.
	1120-1300'-25 sx.
	322-382'-25 sx.
	Surface-10 sx.

6. Avance #1 Coll, 1980' FSL&FEL, TD 12,000', Drilled NA - Dry hole

Csg.	Plugs:
12 3/4-410'-350 sx.	11,700'-35 sx.
8 5/8-4515'-1200 sx.	9800'-35 sx.
	9100'-35 sx.
	6000'-35 sx.
	4645'-40 sx.
	1200'-40 sx.
	Surface-10 sx.

100% OIL
TOWNSEND #1
660 FSL & 330 FEL
SEC. 10, 13, 38E

11 3/4" @ 339'
450 SX CEMENT

10 SX SURFACE

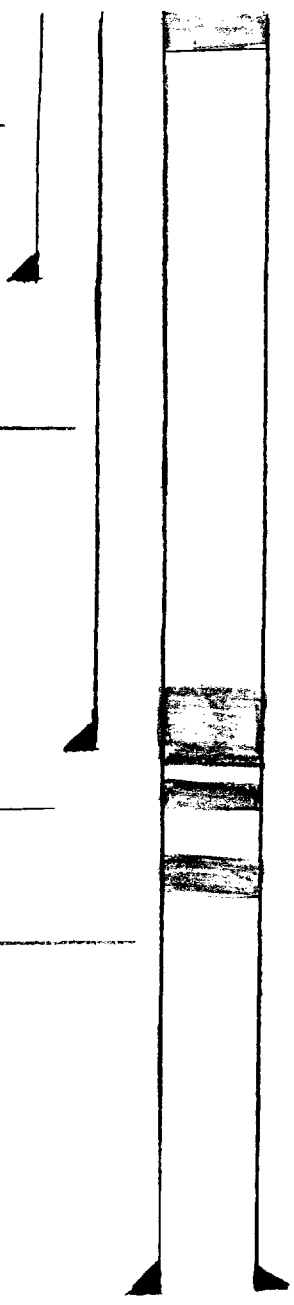
8 5/8" @ 4598'
1700 SX CEMENT

25 SX 4575-4625

7 SX 7200-7250

25 SX 9698-9500

5 1/2" @ 9699'
400 SX CEMENT



PROPOSED OPERATION

Volume of Fluid Inj.	2000 BWPD
Rate of Fluid Inj.	80 BWPH
System	Closed
Average & Max. Inj. Pressure	500-1500 psi
Source of Inj. Fluid	Produced Devonian Formation Water
Water Analysis	Attached
Compatibility	Water injected will be Devonian Formation water produced from the same zone of injection.

GEOLOGIC DATA

Lithology:

Devonian - Dolomite
Wolfcamp - Limestone

Geologic Name:

Devonian/Wolfcamp

Net Thickness of Zone:

Devonian 88'
Wolfcamp 20'
Devonian 11,845'
Wolfcamp 9568'

Depth of Zone:

Geologic name & depth of bottom
fresh water zone:

Santa Rosa 300'

WATER ANALYSIS REPORT

SAMPLE

Location: SPEIGHT # 1
Company: NEWHALL RESOURCES

Date: 1-NOV-1987
Ref.: PRO-KEM INC.

ANALYSIS

1. pH	6.480
2. Specific Gravity 60/60 F.	1.036
3. CaCO ₃ Saturation Index @ 80 F.	+0.036
	@ 140 F. +0.817

DISSOLVED GASSES

4. Hydrogen Sulfide	Not Present
5. Carbon Dioxide	Not Determined
6. Dissolved Oxygen	Not Determined

CATIONS

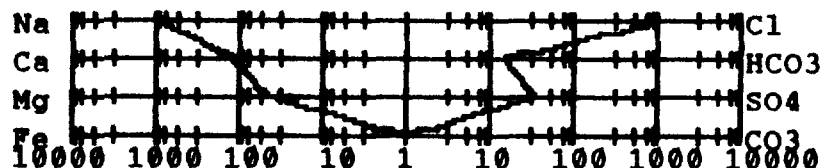
7. Calcium (Ca ⁺⁺)	2166	/ 20.1 =	108
8. Magnesium (Mg ⁺⁺)	477	/ 12.2 =	39
9. Sodium (Na ⁺) Calculated	18474	/ 23.0 =	803
10. Barium (Ba ⁺⁺) NOT DETERMINED		/ 68.7 =	0

ANIONS

11. Hydroxyl (OH ⁻)	0	/ 17.0 =	0
12. Carbonate (CO ₃ ⁼)	0	/ 30.0 =	0
13. Bicarbonate (HCO ₃ ⁻)	943	/ 61.1 =	15
14. Sulfate (SO ₄ ⁼)	1575	/ 48.8 =	32
15. Chloride (Cl ⁻)	31993	/ 35.5 =	901
16. Total Iron (Fe)	18		
17. Total Dissolved Solids	55628		
18. Total Hardness as CaCO ₃	7365		
19. Resistivity (Calculated)	.172	Ohm-Meters	

LOGARITHMIC WATER PATTERN

*MEQ/L



*Milli Equivalents per Liter

Calculated Calcium Sulfate Solubility
in this brine is 3825 mg/L.

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*MEQ/L	= MG/L
Ca(HCO ₃) ₂	81.04	15	1216	
CaSO ₄	68.07	32	2178	
CaCl ₂	55.50	61	3386	
Mg(HCO ₃) ₂	73.17	0	0	
MgSO ₄	60.19	0	0	
MgCl ₂	47.62	39	1857	
NaHCO ₃	84.00	0	0	
NaSO ₄	71.03	0	0	
NaCl	58.46	802	46885	

Estimated Temperature of Calcium Carbonate Instability is 77 Degrees F.

Calcium Sulfate Scaling Potential: Nil

This water is somewhat corrosive due to the pH observed.

The corrosivity is increased by the content of mineral salts in solution.

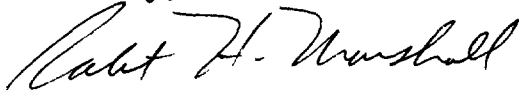
October 5, 1988

Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Gentlemen:

I have examined available geologic and engineering data and find no apparent evidence of open faults or any other hydrologic connection between the disposal zone at 9568' depth and the bottom of the most fresh water zone at 300' depth.

Sincerely,

A handwritten signature in cursive script, reading "Robert H. Marshall". The signature is written in dark ink and is positioned above the typed name.

Robert H. Marshall
P. O. Box 1422
Midland, Texas 79702

PROOF OF NOTICE

A. Copy of certified notice mailed
Surface owner:

● SENDER: Complete Items 1 and 2 when additional services are desired, and complete Items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery ↑(Extra charge)↑	
3. Article Addressed to: <i>R.D. Williams</i> <i>P.O. Box 733</i> <i>Satum, New Mexico</i> <i>88267</i>	4. Article Number <i>P 750 484 992</i> Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1987

★ U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

B. Copy of certified notice mailed
Sole active offset operator:

● SENDER: Complete Items 1 and 2 when additional services are desired, and complete Items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery ↑(Extra charge)↑	
3. Article Addressed to: <i>Armeda Hess Corp</i> <i>P.O. Box 2040</i> <i>Sulsa, Okla 74102</i>	4. Article Number <i>P 750 484 993</i> Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1987

★ U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

1c. TYPE OF WELL

OIL WELL ☒	GAS WELL ☐	DRY ☐	OTHER ☐
NEW WELL ☒	WORK OVER ☐	DEEPEN ☐	PLUG BACK ☐
			DIFF. RESVR. ☐
			OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name

Speight

9. Well No.

10. Field and Pool, or Wildcat

Bronco Siluro/Devonian

1. Name of Operator

Newhall Resources

3. Address of Operator

P.O. Box 8629

Midland, TX

79708

4. Location of Well

UNIT LETTER A LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROMTHE East LINE OF SEC. 15 TWP. 13-S RGE. 38-E NMPM

12. County

Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RAB, RT, GR, etc.)	19. Elev. Casinghead
3-2-86	10-2-86	10-17-86	3806	3806

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,890	11,890			X	

24. Producing Interval(s), of this completion - Top, Bottom, Name

Devonian

11,878 to 11,890

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

Cased Hole Dual-Spaced Neutron

27. Was Well Cored

No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	61	348	17 1/2"	450 sx Class C	0
8 5/8"	32 & 24	4608	11"	1400 sx Lite & 300 sx class C	0
7"	29	10,391	7 7/8"	325 sx Class H	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5"	9983	11,890	170 SX	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	11,602	11,100

31. Perforation Record (Interval, size and number)

11,883 to 11,885--2 foot at 4 shots per foot (8 holes)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,883-85	500 gal 10% acedic and 350 gal 15% HCL acid

3. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
10/17/86		Flowing				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/20/86	24	12/64		334	13	0	39/1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
58	0		334	13	0	40.0°	

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Gary Pridemore

5. List of Attachments

C-104, DST, Directional Survey Electric Log

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED J.E. BrusenhanTITLE Production ManagerDATE 10/21/86

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-82

10. Indicate Type of Lease
State ☐ Fee ☒
11. State Oil & Gas Lease No.
12. Unit Agreement Name
13. Name of Lessee (Name)
14. Well No.
15. Field (mi. Foot, or Wildcat)
UNDESIGNATED
16. County
Lea

SUNDRY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-ENTER OR PLUG BACK TO A DIFFERENT RESERVOIR
USE "APPLICATION FOR PERMIT TO DRILL" FORM C-101 FOR SUCH PROPOSALS

1. OIL ☐ GAS ☐ OTHER ☒ Plug and abandon
2. Name of Operator Avance Oil & Gas Company, Inc.
3. Address of Operator P. O. Box 2728, Midland, Texas
4. Location of Well UNIT LETTER <u>Q</u> 1980 FEET FROM THE <u>South</u> LINE AND 1980 FEET FROM THE <u>East</u> LINE, SECTION <u>15</u> TOWNSHIP <u>13-S</u> RANGE <u>38-E</u> N.M.P.M.
15. Indicate whether well is: <u>3810' GR</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPER. ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☐
OTHER ☐	OTHER ☐
PLUG AND ABANDON ☒	ALTERING CASING ☐
CHANGE PLANS ☐	PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-8-80 Ran logs - Prepare to plug and abandon
1-9-80 Plug well as follows (see attached):

Plug #1 @ 11,700' w/35 sx Class "H" and 4% HR-4
Plug #2 @ 9,800' w/35 sx. Class "H" and 4% HR-4
Plug #3 @ 9,100 w/35 sx. Class "H" and 4% HR-4
Plug #4 @ 7,300' w/35 sx Class "H" and 4% HR-4
Plug #5 @ 6,000' w/35 sx Class "H"
Plug #6 @ 4,625' w/40 sx Class "H"
Plug #7 @ 1,200' w/40 sx Class "H"
Plug #8 @ surface w/10 sx. Class "H" - Top of casing

Plugging operations complete - Rig released 4:15 a.m. 1-10-80.

Casing Information:
12 3/4" surface casing set @ 410' Circl.
8 5/8" casing set @ 4575' w/1200 sx. cement. Cement did not circulate. Ran temperature survey and round top of cement at 900'. Tested casing w/1500#. OK. Talked to Conservation Commission about cement not circulating. Since cement did cover salt section - Commission said - OK

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

SIGNED J.W. Cole TITLE Secretary - Treasurer DATE 2-12-80
Re-submitted: 3-19-80

APPROVED BY A.H. Tustormin TITLE OIL & GAS INSPECTOR DATE APR 16 1982

CONDITIONS OF APPROVAL, IF ANY:

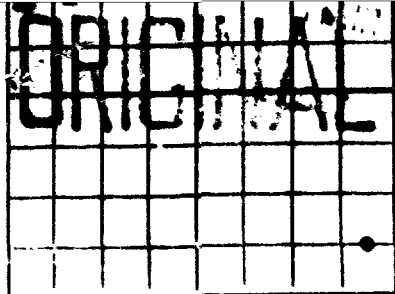
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-105
Revised 1-1-65

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL				7. Unit Agreement Name	
b. TYPE OF COMPLETION				8. Farm or Lease Name	
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>Plug & Abandon</u> NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REVER. ☐ OTHER ☐				Coll	
2. Name of Operator				9. Well No.	
Avance Oil & Gas Company, Inc.				1	
3. Address of Operator				10. Field and Pool, or Wildcat	
P. O. Box 2728, Midland, Texas 79702				UNDESIGNATED	
4. Location of Well				12. County	
UNIT LETTER <u>J</u> LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 15 TWP. 13-S. RGE. 38-E. NMPM				Lea	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead	
12-4-79	1-8-80	----	3810.8 GR		
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
12,000'	----	----	----->	X	----
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made	
Plug and abandon				NO	
26. Type Electric and Other Logs Run				27. Was Well Cored	
				NO	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 3/4"	35#	410'	17 1/2"	350 sx. class "C" cl-	None
8 5/8"	32#	4575'	11"	ch. 1000 sx. Ct. Wt.	
				w/15# salt & 1/2 flo-	
				seal per sx & 200 sx. class "C" w/3%	
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		
			None		
33. PRODUCTION					
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)
P&A					
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.
34. Disposition of Gas (Sold, used for fuel, vented, etc.)				Test Witnessed By	



AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD 19 PM 1:10

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE.

The Fare Oil Company
(Company or Operator)

L. B. Townsend
(Lease)

Well No. 1, in SE 1/4 of SE 1/4, of Sec. 10, T. 13-S, R. 38-E, NMPM.

Bronco Wolfcamp

Pool,

Lea

County.

Well is 660 feet from South line and 330 feet from East line

of Section 10. If State Land the Oil and Gas Lease No. is

Drilling Commenced August 5, 1955. Drilling was Completed September 22, 1955

Name of Drilling Contractor Western Service Drilling Co., Inc.

Address Longview, Texas

Elevation above sea level at Top of Tubing Head 3805' Gr. The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 9587 (-5772) to 9604 (-5779) No. 4, from 9662 (-5847) to 9668 (-5853)

No. 2, from 9614 (-5789) to 9622 (-5797) No. 5, from 9682 (-5867) to 9695 (-5880)

No. 3, from 9646 (-5831) to 9656 (-5841) No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
11 3/4"	126	New	321'	Larkin Guide Shoe			
8 5/8"	32 1/2 & 24 1/2	New	1582'	Howco Shoe			
5 1/2"	17 1/2 & 15 1/2	New	9684'	Baker Differential Shoe			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	11 3/4"	399'	150	Pump and plug		
11"	8 5/8"	1598'	1700	" " "		
7 7/8"	5 1/2"	9699'	400	" " "		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used. No. of Qts. or Gals. used, interval treated or shot.)

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS

Form C-103
(Revised 3-55)

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY THE PURE OIL COMPANY BOX 671 MIDLAND, TEXAS
(Address) (10)
LEASE L. B. TOWNSEND WELL NO. 1 UNIT P S 10 T 16-S R 38-E
DATE WORK PERFORMED 9-29-56 Completed POOL

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☒ Plugging ☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

Moved in and rigged up casing pulling unit, mixed mud, pulled 2" tubing, removed packer and circulating joints. Ran Baker model "K" cement retainer on 2" tubing. Set Baker model "K" cement retainer in 5-1/2" casing at 9500', placed cement plug in 5-1/2" casing 9698'-9500' w/ 25 sacks Portland neat cement, loaded hole with mud and placed cement plug in 5-1/2" casing 7250'-7200' with 7 sacks Portland neat cement, pulled out of hole w/ 2" tubing. Rigged up, worded 42" stretch in 5-1/2" casing, shot off 5-1/2" casing at 7045', pulled and laid down 60 joints of 5-1/2" casing, placed cement plug in open hole and bottom of 8-5/8" casing thru 5-1/2" casing 4625'-4575' with 20 sacks Portland neat cement. Completed pulling 5-1/2" casing, total casing pulled 220', 7045'. Removed casing head and placed cement plug in 8-5/8" casing 30' to surface with 10 sacks Portland neat cement. Welded steel plate on top of 8-5/8" casing and installed 4" pipe marker, extended 6' above ground level. All intervals between cement plug filled with heavy mud laden fluids.

(Verbal approval from Mr. Reeder, Hobbs, New Mexico)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____

ORIGINAL

NEW MEXICO DEPARTMENT OF CONSERVATION

Field Office New Mexico

Field Office

Field Office OGC

WILDLIFE DAMAGE REPORT

Form C-302

REPORT MADE BY	DATE	LOCATION	TIME
REPORT MADE BY	DATE	LOCATION	TIME

REPORT MADE BY	DATE	LOCATION	TIME
----------------	------	----------	------

Following is a description of the damage done to the property of the owner of the land on which the damage was done:

Amount of damage done to the property of the owner of the land on which the damage was done:

Amount of damage done to the property of the owner of the land on which the damage was done:

Amount of damage done to the property of the owner of the land on which the damage was done:

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Amount of damage done to the property of the owner of the land on which the damage was done:

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION

State of New Mexico

MAIN OFFICE 807

FIELD OFFICE 006

STANDARDIZED REPORTS OF WELLS

This report is to be filled out by the operator of the well and is to be submitted to the nearest field office of the New Mexico Oil Conservation Commission. It is to be filled out for each well drilled or reworked in the State of New Mexico, whether or not the well is producing oil or gas. It is to be filled out for each well drilled or reworked in the State of New Mexico, whether or not the well is producing oil or gas. It is to be filled out for each well drilled or reworked in the State of New Mexico, whether or not the well is producing oil or gas.

NAME OF WELL	SECTION	TOWNSHIP	RANGE	COUNTY
NAME OF OPERATOR	DATE OF REPORT	NAME OF FIELD OFFICE	NAME OF COUNTY	NAME OF STATE

1. Name of well _____

2. Name of operator _____

3. Date of report _____

4. Name of field office _____

5. Name of county _____

6. Name of state _____

7. Name of well _____

8. Name of operator _____

9. Date of report _____

10. Name of field office _____

11. Name of county _____

12. Name of state _____

13. Name of well _____

14. Name of operator _____

15. Date of report _____

16. Name of field office _____

17. Name of county _____

18. Name of state _____

19. Name of well _____

20. Name of operator _____

21. Date of report _____

22. Name of field office _____

23. Name of county _____

24. Name of state _____

25. Name of well _____

26. Name of operator _____

27. Date of report _____

28. Name of field office _____

29. Name of county _____

30. Name of state _____

31. Name of well _____

32. Name of operator _____

33. Date of report _____

34. Name of field office _____

35. Name of county _____

36. Name of state _____

19

[Handwritten signature]

BUCK WILSON
SPEIGHT #1
SEC. 15, 13S, 38E

10SX SURFACE

25SX 322-380

25SX 1120-1300

25SX 4514-4600

25SX 5914-6000

25SX 7814-7900

25SX 8914-9000

25SX 9544-9630

12 3/4" @ 322'
350' SX CEMENT

8 5/8" @ 4600'
350' SX CEMENT

OPEN HOLE @ 9634'

AMERADA
MADDOX #1
660 FSL & 660 FWL
SEC. 11, 13 S, 38 E

13 3/8" @ 385'
400 SX CEMENT

10 SX SURFACE

40 SX 335'-385'

9 5/8" @ 4630'
1315 SX CEMENT

40 SX 1950'-2050'

50 SX 4580'-4680'

50 SX 8954'-9034'

40 SX 11038'-11138'

40 SX 11840'-11910'

OPEN HOLE @ 11997

[illegible]

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Supplies Old
C-102 and C-103
Effective 1-1-71

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" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Name of Operator Atlantic Richfield Company	3. Address of Operator P. O. Box 1978, Roswell, New Mexico 86201	4. Location of well UNIT LETTER K 1650 FEET FROM THE South LINE AND 2310 FEET FROM West LINE, SECTION 11 TOWNSHIP 13-S RANGE 38-E N.M.P.M.	5. Indicate Type of Lease State ☐ Fee ☒	6. State Oil & Gas Lease No.	7. Unit Agreement Name	8. Name of Lessee (Name) Barnes & Golden	9. Well No. 2	10. Field and Pool, or Wildcat Bronco-Devonian	11. Elevation (Show whether DE, BE, GR, etc.) 3600' GR	12. County Lea
--	--	--	--	---	------------------------------	------------------------	--	-------------------------	--	--	--------------------------

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PULL AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	PERMANENT DRILLING OPER. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Des. type I proposed or Completed operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1109.

This well is producing 15 BOPD and over 2000 BWP. Two unsuccessful attempts to reduce water production were made late in 1969. We now propose to P & A the well as follows:

1. Set CIBP in 7" casing @ 11050' and cap w/4 sx cement w/dump bailer.
2. Shoot off and recover 7" casing as deep as possible.
3. Use 9#/gallon gel mud and spot these cement plugs:
 - a. 40 sx in and out of 7" stub.
 - b. 40 sx across top of Abo at 7885' (if 7" stub below this point).
 - c. 40 sx across top of Glorieta at 5950' (if 7" stub below this point).
 - d. 40 sx in and out of 9-5/8" shoe at 4645'.
4. Shoot off and pull 9-5/8" casing from about 800-900'.
5. Set 40 sx cement in and out of 9-5/8" stub and 15 sx in top of well.

Erect dry hole marker, clear and level location.

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

SIGNED *C. L. Bratcher* TITLE Dist. Dir. Supervisor DATE 5-13-70

APPROVED BY *[Signature]* TITLE SUPERVISOR DISTRICT DATE MAY 15 1970

CONDITIONS OF APPROVAL, IF ANY:

25 SXS in + cut 13 3/8 slice

Set CIBP @ 11,050 capped & 15x
shot 7" @ 4890 - 40 SX - 4FH

Pay 7. @ 11,786-11,792

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS
(Submit to District Office as per Commission Rule 1196) 20
M 8:38

COMPANY Midwest Oil & Gas Company - 520 E. Broadway - Dallas, New Mexico
(Address)

LEASE Bureau & Golden WELL NO. 2 UNIT E S 13 T 13N R 30W

DATE WORK PERFORMED 2-24-56 POOL Bureau & Golden

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

2-26-56: Ran 11,792' of 7" OD Casing. Set at 11,792' with 150 sacks cement.

2-29-56: Tested 7" OD Casing with 1250g for 30 min. before and after drilling cement plug. No decrease in pressure. Top of cement behind 7" Casing at 9660'.
Ran Electric Log. Ran 11,793' of 2" tubing. Sealed well in.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date

Tbng. Dia Tbng Depth Oil String Dia Oil String Depth

Perf Interval (s)

Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

OIL CONSERVATION COMMISSION

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

Name

Name

Title

Position

Date

Company

Orig & Rec: OGC

cc: PHE, JTB, Fila

MEXICO OIL CONSERVATION COMMISSION
INCIDENTAL REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1194)

1006 MAY 9 AM 8:38

COMPANY Sinclair Oil & Gas Company, 520 East Broadway, Hobbs, New Mex.
(Address)

LEASE Barnes & Golden WELL NO. 2 UNIT K-311 T 13S R 38E

DATE WORK PERFORMED 12-5-55 POOL Barnes & Golden

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

12-5-55: Ran 4643' of 9 5/8" OD casing. Set at 4645' w/2200 sacks. Temperature Survey indicated top of cement at 1080' behind 9 5/8" casg.

12-7-55: Tested 9 5/8" OD casing w/500# pressure before and after drilling cement plug. No decrease in pressure.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date

Tbng. Dia Tbng Depth Oil String Dia Oil String Depth

Perf Interval (s)

Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

OIL CONSERVATION COMMISSION

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

Name

Name

Title

Position

Date

MAY 6 1956

Company Sinclair Oil & Gas Company

Orig. & 2 ccs: OCC

cc: FHR, JTR, File

**NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS**

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Sinclair Oil & Gas Company - 520 E. Broadway, Hobbs, New Mexico
(Address)

LEASE Barnes & Golden WELL NO. 2 UNIT X S 11 T 13S R 38E

DATE WORK PERFORMED 11-22 & 23-55 POOL Bronco Silure

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☒ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

Spudded 9:30pm 11-22-55: Frisbie - Yancey Drilling Company

11-23-55 - Ran 323' of 13-3/8" OD 48# SS Casing. Set casing at 326' with 350 sacks cement. Completed cementing 11-23-55 @ 6:00PM. Cement circulated.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DE Elev _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____
Witnessed by _____	_____	_____

(Company)

OIL CONSERVATION COMMISSION

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

Name C. H. Lindsey

Name C. H. Lindsey

Title District Superintendent

Position District Superintendent

Date _____

Company Sinclair Oil & Gas Company

Orig & cc: OCC
cc: FHR, JTB, File

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psi at 60° Fahrenheit.

Seminole, Texas
(Place)

December 30, 1959
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS

Amerada Petroleum Corporation - Federal "B"
(Company or Operator)

(Lease)

Well No. 2

in SE 1/4 NE 1/4

H Sec. 11

T. 13-S

R. 38-E NMPM, Bronco - Mississippian

Pool

Deepening Started

Deepening

Lea

Country Date Started Oct. 19, 1959

Date Completed Dec. 8, 1959

Elevation 3810' DF

Total Depth 11,070'

Top Oil/Gas Pay 11,044'

Name of Producer Mississippian

PRODUCING INTERVAL

Perforations 5-1/2" OD Casing 11,044' to 11,070'

Open Hole Depth 11,052'

OIL WELL TEST -

Natural Prod. Test: 0 bbls. oil, 0 ft. water in, 0 hrs., 0 min. Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of
load oil used): 248.28 bbls. oil, 0 ft. water in, 18 hrs., 0 min. Size 24/64"

GAS WELL TEST -

Natural Prod. Test: MCF/day; hours down; 0 min. Size

Method of Testing (pilot, back pressure, etc.):

Test After Acid or Fracture Treatment: 0 bbls. oil, 0 ft. water in, 0 hrs., 0 min. Size

Choke Size Method of Testing:

Acid or Fracture Treatment (give amounts of materials used, volume of water, oil, and

sand): 500 Gals. Halliburton 15% MCA Acid

Casing Tubing Date first new
Press. 4950 all run to tanks December 29, 1959

Oil Transporter Phillipe Pipe Line Company

Gas Transporter Sinclair Oil & Gas Co., Products Plant #29

Remarks: 2-3/8" OD EUE Spangseal tubing from 0' to 8273' and 2-1/16" OD Hydrill tubing
from 8273' to 11,052'

NOTE: Dual - Lower Zone - Bronco Siluro Devonian

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

Approved: 19 AMERADA PETROLEUM CORPORATION
(Company or Operator)

OIL CONSERVATION COMMISSION

By: W. H. D. Signature

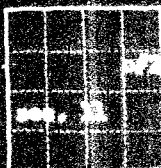
By: Title

Title: Dist. Supt.
Send Communications regarding well to

Title: Engineer District

Name: Amerada Petroleum Corporation

Address: Drawer 817 - Seminole, Texas



(SUBMIT IN TRIPPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Location Las Cruces
Date 06/05
No. 000 Federal #5

DATED ED 14 10 43

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	NECESSARY PERMIT OF WATER RIGHT OFF	☒
NOTICE OF INTENTION TO CHANGE PLAN	NECESSARY REPORT OF PRODUCTION OR ABANDONING	
NOTICE OF INTENTION TO TEST WATER SURFACE	NECESSARY REPORT OF SURFACE CANNON	
NOTICE OF INTENTION TO REPAIR OR REPAIR WELL	NECESSARY REPORT OF REPAIRS OR REPAIR	
NOTICE OF INTENTION TO REPAIR OR REPAIR	NECESSARY REPORT OF REPAIRS	
NOTICE OF INTENTION TO PUMP OR ALUM CROWN	NECESSARY WELL REPORT	
NOTICE OF INTENTION TO REPAIR WELL		

(Continuation of Form G-21a, Notice of Intention to Drill, or Form G-21b, Notice of Intention to Change Plan)

December 17

1929

Well No. 2 is located 1951 ft. from N line and 525 ft. from E line of sec. 11

SE 1/4 of SW 1/4 Sec. 11, T-13-S, R-35-E, N-17-W

Source Silvaco ReservoirLoc Las

New Mexico

The elevation of the derrick floor above sea level is 3610 ft.

DETAILS OF WORK

(These notes are to be inserted in the blank space of the form, and should be written in ink. Indicate casing, tubing, etc., as they are run.)

11,850' - Total Depth - Line - Finished 5-1/8" hole to 11,850' at 12:35 PM 12-8-59.
Run 59 jts. 5-1/8" OD 200 R-35 Casing, New as liner run from 938' to 11,850',
Cemented bottom of 5-1/8" OD liner with 100 cu. ft. cement mixed 25 Gal.
and 1/2 Floccide added per sack. Max. PP 11000. The Temperature Survey, found
top of cement on outside 5-1/8" OD casing at 9789'. Reported top of 5-1/8"
OD Liner at 938' with 20 cu. ft. cement mixed 25 Gal. Max. PP 10000. Tested
liner with 7500 for 1/2 Hr. Held O.K. Drilled cement casing 5-1/8" OD liner from
938' to 938' & from 11,850' to 11,850'. Tested with 1500 for 1/2 Hr. Held O.K.

I understand that this form of work must be submitted to the U.S. Geological Survey before operations may be commenced.

Company American Petroleum CorporationAddress P. O. Drawer 217San Antonio, TexasBy W. H. H. H. H.Title Geologist

Handwritten signature

13 3/8" Csg @ 3181'

Top Cement @ 2604'

5/8" Csg @ 4536'

2 3/8" EUE Spangseal Tbg.
0' to 8474' and 2 1/16"
Hydrill Tbg. from 8474' to
11,832'

2 3/8" EUE Spangseal Tbg.
0' to 8273' and 2 1/16"
Hydrill Tbg. from 8273' to
11,052'

Top Cement @ 6854'

Top 5 1/2" Liner @ 9384'

7" Csg @ 9652'

Top Cement @ 9729'

Mississippian Perforations
11,044' to 11,070'

Packer @ 11,625'

5 1/2" Liner @ 11,802'

Devon Open Hole 11,802' to 11,850'

AMERADA PETROLEUM CORPORATION

Federal "B" No. 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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 ☐ Zone Change	5. LEASE DESIGNATION AND SERIAL NO. LC-064605
2. NAME OF OPERATOR Amerada Hess Corporation	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Drawer D, Monument, New Mexico 88265	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1538' FEL & 1983' FNL	8. FARM OR LEASE NAME Federal "B"
14. PERMIT NO.	9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3810' DF	10. FIELD AND POOL, OR WILDCAT Bronco Wolfcamp
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T13S, R38E
	12. COUNTY OR PARISH Lea
	13. STATE N.M.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Progress Report

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

4-13-87 to 5-11-87

MIRU pulling unit, removed well head & installed BOP. TOH w/tbg. & pkr. Ran 6" bit & checked bottom at 11,685'. Recovered bit & ran GR-CCL-CNL log in 7" csg. fr. 11,678' to 8500'. Ran 7" CIBP on wire line & set at 11,011'. TIH w/pkr. & set at 10,996'. Loaded tbg. & tested CIBP to 1000# for 30 min. Held OK. Recovered pkr. & ran bailer & dumped 5 sks. cement on top of CIBP. Ran bit & checked cement on top of CIBP at 11,000' & recovered bit. Mississippian Zone P & A'd. 4-21-87 - Ran 4" csg. gun & perf. Wolfcamp Zone 7" csg. fr. 9496' to 9516' & 9484' to 9488' w/2SPF. Total 52 holes at .40" per hole. Ran pkr. & tbg. & set plr. at 9377'. Dropped SN & press. up on csg. to 600#. Held OK. Press. up on tbg. to 3000#. Held OK. Recovered SV & acidized Wolfcamp Zone 7" csg. perf. fr. 9484' to 9516' w/1700 gal. 15% NEFE acid & overflushed w/5 bbls. KCL water. Made several swab runs. 4-28-87 - Press up on csg. to 500# & press. up on tbg. to 500#. Held OK. Re-acidized Wolfcamp Zone 7" csg. perf. fr. 9487' to 9515' w/1000 gal. 15% NEFE dbl. inh. HCL acid & overflushed w/5 bbls. 2% KCL water. Made several swab runs. Released pkr. & pulled tbg. & pkr. Re-ran pkr. SN & Kobe pump cavity on 2-3/8" tbg. & set pkr. at 2380'.

CI this A.M. due to repairs to power oil line. Prep to run Kobe hyd. pump & place well on production. Notice to follow when well placed on productive status.

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

SIGNED

TITLE Supv. Adm. Svc.

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ACCEPTED FOR RECORD
MAY 14 1987
SJS
CARLSBAD, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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. Ref.: Temporary suspension of production effective 11-1-86.		5. LEASE DESIGNATION AND SERIAL NO. LC-064605
2. NAME OF OPERATOR Amerada Hess Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Drawer D, Monument, N.M. 88265		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1538' FEL & 1983' FNL		8. FARM OR LEASE NAME Federal "B"
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 3810' DF		10. FIELD AND POOL, OR WILDCAT Bronco Mississippian
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T13S, R38E
		12. COUNTY OR PARISH Lea
		13. STATE N.M.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)	Zone change		X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(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.)*

Plan to MIRU pulling unit & swab test Mississippian Zone 7" csg. perf. fr. 11132' - 11138' & 11146' - 11160'. Pull tbq. & pkr. & run bit to PBD at 11665'. Run GR-CCL-CNL fr. 11665' to 8500'. TIH w/CIBP, pkr. & tbq. & set CIBP at 11000'. Dump 6 sks. of cement on top to CIBP for 35' of fill. Swab fluid level to 4000'. Run 4" csg. gun & perf. Wolfcamp Zone 7" csg. fr. 9487' - 9490' & 9500' - 9521' w/2SPF. Swab test. Acidize Wolfcamp Zone 7" csg. perf. w/2000 gal. 15% db1. inh. HCL & overflush w/15 bbls. Swab test & place on production.



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

SIGNED R. L. Whalen Jr. TITLE Supv. Adm. Svc. DATE 4-3-87
(This space for Federal or State office use)
APPROVED BY Acting Area Manager TITLE _____ DATE 4-5-87
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

LC-064605

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "B"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Bronco Mississippian

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 11, T13S, R38E

12. COUNTY OR PARISH 13. STATE

Lea

N.M.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Amerada Hess Corporation

3. ADDRESS OF OPERATOR

Box D, Monument, New Mexico 88265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1538' FEL & 1983' FNL

14. PERMIT NO.

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

3810' DF

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Csg. test

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(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.)*

January 14, 1986 - Pressured up on 7" csg. to 500#. Decreased to 460# in 30 minutes due to air in fluid. Procedure witnessed by Jack Johnson w/B.L.M.

RECEIVED FOR RECORD

JAN 21 1986

CARLSBAD, NEW MEXICO

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

SIGNED

E.B. Zinke

TITLE

Supv. Adm. Ser.

DATE

1-17-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYN. M. PERMIT-IN TRIPLICATE
(Other Instructions on Reverse side)Form approved.
Budget Bureau No. 42-B1424.

5. LEASE DESIGNATION AND SERIAL NO.

SI-0674605

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

Amerada Hess Corporation

3. ADDRESS OF OPERATOR

Drawer D, Monument, New Mexico 88265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
See also space 17 below.)
At surface

1538' FEL & 1983' FNL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "B"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Bronco Mississippian

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA

Sec. 11, T13S, R38E

14. PERMIT NO.

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

3810' DF

12. COUNTY OR PARISH

Lea

13. STATE

N.M.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Progress report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)

January 23, 1984 to February 14, 1984 - Pumped out Guib. hyd. free type pump. Pulled tbg. & Guib. bottom hole ass'y. Ran 6-1/8" bit on 2-3/8" tbg. to 11,805'. Ran GR/OCL log fr. 11,800' to 8800'. Set Baker bridge plug in 7" csg. at 11,700' and dumped 6 sks. cement on top of bridge plug. Top of cement est. at 11,665'. Devonian zone P&A. Ran pkr. & tbg. & set pkr. at 11,653'. Tested bridge plug w/1000# press. Held OK. Tested 7" csg. w/1000# press. Held OK. Spotted 63 gal. 15% MFA perf. acid in 7" csg. fr. 11,157' to 11,118'. Pulled tbg. & pkr. Perf. 7" csg. opposite Mississippian zone fr. 11,132' to 11,138' & fr. 11,146' to 11,160'. Ran pkr. & tbg. & set pkr. at 11,059'. Swab tested. Attempted to acidize Miss. zone thru 7" csg. perf. fr. 11,132' to 11,138' & fr. 11,146' to 11,160' w/45% NE FE acid with nitrogen and ball sealers. Formation failed to break down. Had communication between tbg. & csg. w/5800# press. on tbg. Trip out w/tbg. & pkr. Found no tbg. leak. P. up rental string of 2-3/8" N80 tbg. & trip in w/pkr. & tbg. Press. tested tbg. w/7000# h. 1000# press. on csg. Held OK. Attempted to acidize as above and had communication between tbg. & csg. w/6800# press. on tbg. Trip out. Found no tbg. leak but found one pkr. rubber torn up. Laid down rental string of tbg. Ran pkr. & tbg. hydrotested on trip in w/5500# above slips & found no tbg. leak. Set pkr. at 10,958' & attempted to break down Miss. zone thru 7" csg. perf. as above w/1000 gal. 15% NE FE acid. Pumped acid & 22 bbls. produced water. Closed by-pass & press. csg. to 1700# Flushed w/22 bbls. prod. water. Max. pump press. 6600. Max. rate 2.5 BPM. Back flushed acid across perfs. three times. Swabbed & recovered trace oil & acid water load. Ran 72 hr. BHP survey w/instrument set at 11,146'. Closed in. Evaluating.

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

SIGNED

E. B. Fisher

TITLE

Supv. Adm. Ser.

DATE

2-14-84

(This space for Federal or State notice use)

APPROVED BY

E. W. O.

TITLE

CONDITIONS OF APPROVAL IF ANY

MAY 11 1984

Carlsbad,

NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

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 ☐

BUR.

HGMT.

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amerada Hess Corporation

3. ADDRESS OF OPERATOR

Drawer D, Monument, New Mexico 88265

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1538' FEL & 1983' FNL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

3 mi. So. of Bronco

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg., unit line, if any)

1538'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

660

16. NO. OF ACRES IN LEASE

280

19. PROPOSED DEPTH

11,665'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Pulling unit

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3810' DF

22. APPROX. DATE WORK WILL START*

Immediately

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	36#	319'	cemented w/450 sks. cement
12-1/4"	9-5/8"	36#	4543'	cemented w/1200 sks. cement
8-3/4"	7"	29#	11,800'	cemented w/700 sks. cement

Plan to pull tbg. & pkr., run GR/CCL log, set bridge plug in 7" csg. at 11,700' and cap w/35' of cement & plug Devonian zone. Perf. 7" csg. opposite Mississippian zone fr. 11,160' to 11,146' & fr. 11,138' to 11,132' w/2 SPF. Run pkr. & tbg. & set pkr. at 11,050' & swab test. Acidize w/2000 gal. 15% NE FE acid using nitrogen & ball sealers & flush w/nitrogen. Swab test. Run 48 hr. BHP build-up. Run tbg. & resume production as Mississippian oil well.

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

E. J. Fisher

TITLE

Supv. Adm. Ser.

DATE

1-20-84

(This space for Federal or State use only)

APPROVED

PERMIT NO.

(Orig. Sgd.) PETER W. CHESTER

APPROVAL DATE

APPROVED BY

MAR 21 1984

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

*See Instructions On Reverse Side

cc: PHR
JTR
F

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days of the completion of the work. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing, plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checkmark Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 27, 1955

Hobbs, New Mexico

Following is a report on the work done and the results obtained under the heading noted above at the

Sinclair Oil & Gas Company
(Company or Operator)

Barnes & Golden
(Land)

Lee Brown Drilling Company
(Contractor)

Well No. 1 in the SE 1/4 Sec. 11

T 13 S, R 28 E, NMPM

Lea

Pool, Bronco Siluro Devonian

County

The Dates of this work were as follows:

7-1-55

Notice of intention to do the work (was) (was not) submitted on Form C-102 on

(Cross out incorrect words)

19

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 1:30 PM 6-29-55

ID 325 - set 13 3/8" OD casing # 323 and cemented with 400 sacks cement. Cement circulated to surface. Let set 48 hours and tested with 750# pump pressure for 1 hour before and after drilling plug. No decrease in pressure. Resumed drilling.

Witnessed by: Ira L. Wagner
(Name)

Sinclair Oil & Gas Company
(Company)

Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

J. G. Stanley
(Name)

Engineer District I

(Title)

JUL 29 1955

(Date)

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

Name: C. L. Smith

Position: Dist. Supt.

Representing: Sinclair Oil & Gas Company

Address: 520 East Broadway, Hobbs, New Mexico

ORIGINAL

HOBBS OFFICE Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Sinclair Oil & Gas Company 520 E. Broadway, Hobbs, N.M.
(Address)LEASE Barnes & Golden WELL NO. 1 UNIT N S 11 T 13S R 10EDATE WORK PERFORMED as shown POOL Bronco - Giluro - DevonianThis is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off☐ Beginning Drilling Operations☐ Remedial Work☐ Plugging☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

9/25/55- TD 11795- Set 5 1/2"OD Casing @ 11780 Ft., with 125 Sks. Sluicest Cement @ 6:10 PM - Waiting on cement. Top cement behind 5 1/2"OD Casing @ 9560 f/ surface.

9/28/55- Tested 5 1/2"OD Casing w/ 1250# pump pressure for 30 Min. before and after drilling cement.
No decrease in pressure.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date Tbng. Dia Tbng Depth Oil String Dia Oil String Depth Perf Interval (s) Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test Oil Production, bbls. per day Gas Production, Mcf per day Water Production, bbls. per day Gas-Oil Ratio, cu. ft. per bbl. Gas Well Potential, Mcf per day Witnessed by

(Company)

OIL CONSERVATION COMMISSION

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

Name Name Title Position Date Company

ORIGINAL

HOBBBS OFFICE Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS (Form C-103) PM 2:21

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Midland Oil & Gas Company 500 Broadway, Kansas, K.M.
(Address)

LEASE Section 4, T12N, R10E, S10E WELL NO. 1 UNIT 1 T. 12N R. 10E S. 10E

DATE WORK PERFORMED 9/25/55 FROM 9/25/55 TO 9/25/55

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☐ Other

Detailed description of work done, nature and quantity of materials used and results obtained.

9/25/55 - TD 12700 - Set 5 1/2" OD Casing @ 13700 ft. with 125 Gps. Slotted Casing @ 13700 ft. - Waiting on cement. Top cement behind 5 1/2" OD Casing @ 13600 ft. cemented.

9/26/55 - Tested 5 1/2" OD Casing w/ 12500 pump pressure for 30 Min. before and after drilling cement.
No increase in pressure.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Cement Data

Tbng. Dia. Tbng. Depth Oil Strng. Dia. Oil Strng. Depth

Perf. Interval (ft)

Open Hole Diameter Producing Formation (ft)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

Oil Conservation Commission

By Name

By Name

By Name

NEW MEXICO CONSERVATION COMMISSION

Albuquerque, New Mexico

MISCELLANEOUS REPORTS ON WORK DONE

ORIGINAL

This report is to be filed in the District Office of the Conservation Commission, within 10 days after the work reported is completed, and filed as a report on Regular Drilling Operations. Results of test of casing shot-off, result of plugging of well, results of recompletion, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON REGULAR DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHOT-OFF	☒ X	REPORT ON REPAIRING WELL
REPORT ON RECOMPLETION OPERATION	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)

July 27, 1955

Hobbs, New Mexico

Report on the work done and the results obtained under the heading noted above at the

Oil & Gas Company,

Barnes & Golden

Lea Drilling Company

Well No. 1

SE

SW

11

Lea

Lea

Bronco Siluro Canadian

The following work was done as follows

7-12-55

Summary of work done the work ☒ (was not submitted on Form 100) on ☒ (Cross out incorrect words)

and the proposed plan (was not obtained)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drill 4 1/2" OD casing 4 1/2" and cemented with 2500 sacks cement. Cement placed to surface. Test cement 48 hours and tested with 1,000 psi pump pressure. For 1 hour before and after drilling cement plug. No decrease in pressure. Resumed drilling.

Witnessed by Era L. Wagner
(Name)

Sinclair Oil & Gas Co.
(Company)

(Date)

CONSERVATION COMMISSION

I hereby certify that the information furnished is true and correct to the best of my knowledge.

Name Era L. Wagner

Position Dist. Supt.

Representing Sinclair Oil & Gas Co.

Address 520 East Broadway, Hobbs, N.M.

Engineer District 1

JUL 28 1955

(Title)

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPlicate to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging a well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional regulations in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT OFF	☒	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)

March 31, 1953

Seminole, Texas

Report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

H. B. Schanck
(Agent)

Swan Drilling Company
(Contractor)

Well No. 1 in the NE 1/4 NE 1/4 of Sec. 14

11-8, 38-E Bronco Area

Lea

County

The kind of work was as follows: March 31, 1953

Not a reason to do the work (was not) submitted on Form O-102 on (Cross out if not used)

and approval of the proposed plan (was not) obtained

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

12,145' Total Depth-Granite - Ran 18 Joints 18" Casing, New. Set at 12,030'. Top of Casing at 11,335'. Cemented with 70 sacks Slo-Set cement. Pumped plug to 11,957' with 1200# Max. Pump Pressure. Tested 5" OD liner from 11,800' to 11,890' from 11,700' to 11,780' with four jet shots per foot.

Witnessed by Charles M. Clarkson
(Name)

Amerada Petroleum Corporation
(Company)

Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

Roy Garbrough
(Name)
Oil & Gas Inspector
(Title)

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

Name: W. H. Darnegge

Position: District Superintendent

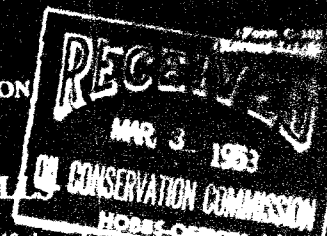
Representing: Amerada Petroleum Corporation

Address: Drawer 809, Seminole, Texas

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging or well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

February 23, 1953

(Date)

Seminole, Texas

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the:

Amarado Petroleum Corporation

(Company or Operator)

H. D. Schenck

(License)

Brown Drilling Company

(Contractor)

Well No. 1 In the NE 1/4 NE 1/4 of Sec. 24

T. 13-S, R. 30-S, NMPM, Brown Area Pool, Lea County

The Dates of this work were as follows: February 21, 1953

Notice of intention to do the work ~~will~~ (was not) submitted on Form C-102 on _____ 19

(Check and insert correct words)

and approval of the proposed plan ~~will~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

11,411' Total Depth - 11,411' Finished drilling 6 3/4" hole at 6:15 p.m., 2-19-53. Run 278 ft., (11,411') 7" OD Casing Now, Set at 11,411' with 600 casing cement. Maximum pressure 1850#. Used Baker Controllers and H.M. Stretchers. Casing was not rotated. Temperature survey showed top of cement at 6615', 4.5% fill. Tested casing for 1/2 hr. with 1400#, no pressure drop. Started drilling 6 1/2" hole at 11:45 a.m. 2-24-53.

Witnessed by: Charles E. Clarkson

(Name)

Amarado Petroleum Corporation

(Company)

Foram

(Title)

Approved:

OIL CONSERVATION COMMISSION

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

Name: W. H. Dunlap

Position: District Superintendent

Representing: Amarado Petroleum Corporation

Address: Drawer 607 Seminole, Texas

MAR 3 1953
Oil & Gas Inspector

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
DEC 8 1952

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON REGCOMPLETION OPERATION		REPORT ON (Other)	

December 5, 1952

Seminole, Texas

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

H. D. Schenck
(Agent)

Rowan Drilling Company
(Contractor)

Well No. 1

in the

NE

NE

Sec. 14

T. 13-S, R. 18-E, MAPM

Bronco Area

Pool

Lea

County

The Dates of this work were as follows: December 4, 1952

Notice of intention to do the work ~~XXXX~~ (was not) submitted on Form C-102 on

(Cross out incorrect words)

19

and approval of the proposed plan ~~XXXX~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4431' - Total Depth - Line - Finished drilling 12-1/1" hole at 3:00 P.M. 12-4-52. Ran a total of 114 joints of 9-5/8" OD 36# casing, set at 4426' with 1000 sacks common cement with 3% Gel. Plug pumped to 4336' at 8:45 P.M. 12-4-52. Maximum pressure 800#. Ran Temperature survey, found top of cement outside 9-5/8" casing at 2507', or, 55.9% fill. After W.O.C. for 24 hours, tested 9-5/8" casing for 1/2 hour with 1000#, no pressure drop. Drilled cement from 4336' to 4431' and tested casing for 1/2 hour with 1000# - no pressure drop. Started drilling formation and 8-3/4" hole at 10:15 A.M. 12-4-52.

Witnessed by Carl Timmerman
(Name)

Amerada Petroleum Corporation
(Company)

Farm Boss
(Title)

Approved: OIL CONSERVATION COMMISSION

Ray Yankton
(Signature)

Oil & Gas Inspector

(Title)

DEC

(Date)

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

Name: H. D. Schenck

Position: District Superintendent

Representing Amerada Petroleum Corporation

Address: Drawer 802, Seminole, Texas

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It must be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, casing repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION		REPORT ON OTHER

November 23, 1952

Seminole, Texas

Submit a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

H.B. Bonance

Drum Drilling Company

Well No. 1

to the

RD

SE

1/4

Section 38-E NMPM

Bronce Area

Pool

1/8

County

November 21, 1952

The following work was at below:

The proposed plan to do the work ~~was~~ (was not) submitted on 11-21-52 and was approved on 11-21-52.

The proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Well 20 - Total Depth - Red Bed - Finished drilling 17-1/2" hole @ 5:00 AM 11-22-52. Ran 8 Jts (220') 13-3/8" OD x 1/4" Wall 35.62# Amer 88 50 Casing - New, Set @ 319' w/400 Sax. Plug to 299' @ 10:00 AM 11-22-52. Max. PP 200#. Cement Circulated. After WOC for 12 Hrs. tested casing for 1/2 Hr. w/ 800# - No pressure drop. Drilled cement from 299' to 324' & tested casing for 1/2 Hr. w/ 800# - No pressure drop. Started drilling 12-1/4" hole @ 10:45 AM 11-23-52.

Carl Thurman

Amerada Petroleum Corporation

Farm Boss

Oil Conservation Commission

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

Ray Yankovich

Name: Ray Yankovich

Position: District Superintendent

Oil & Gas Inspector

NOV 26 1952

Representing: Amerada Petroleum Corporation

Address: Drawer 809 Seminole, Texas

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

This report is to be filed in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It must be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, repairs to well casing, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL
REPORT ON REPAIR OF WELL	REPORT ON RECOMPLETION OPERATION		REPORT ON PLUGGING

November 23, 1952

Seminole, Texas

Amerada Petroleum Corporation

H. M. Foreman

Drilling Company

1

in the

SE

NE

14

13-3 34-5 NMPM Bronco Area

Pool

Inc

Council

November 21, 1952

The following work was done as follows:

Report on result of test of the work (see) was not submitted on Form 1-10, on 11-21-52, as the work was not completed on 11-21-52.

The proposed plan (see) was not obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Nov 10 - Total Depth - Red Bed - Finished drilling 17-1/2" hole @ 5:00 AM 11-22-52. Ran 8 Jts (320') 13-3/8" OD x 1/4" Wall 35.62# Arms 80 Casing - New, Set @ 319' w/400 Sax. Plug to 299' @ 10:00 AM 11-22-52. Max. PP 200#. Cement Circulated. After WOC for 12 Hrs. tested casing for 1/2 Hr. w/ 300# - No pressure drop. Drilled cement from 299' to 300' & tested casing for 1/2 Hr. w/ 300# - No pressure drop. Started drilling 12-1/4" hole @ 10:45 AM 11-23-52.

Carl Thurman

Amerada Petroleum Corporation

Farm Boss

Oil Conservation Commission

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

Name W. B. Foreman

Position District Superintendent

Representing Amerada Petroleum Corporation

Address Drawer 809 Seminole, Texas

Oil & Gas Inspector

NOV 26 1952

(Date)

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LE		
S.G.S.		
AND OFFICE		
ERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

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" (FORM C-101) FOR SUCH PROPOSALS.)		5a. Indicate Type of Lease State ☐ Fee ☒
		5. State Oil & Gas Lease No.
OIL WELL ☒ GAS WELL ☐ OTHER ☐		7. Unit Agreement Name
Name of Operator Amerada Hess Corporation		8. Farm or Lease Name V. Linam
Address of Operator Drawer "D", Monument, New Mexico 88265		9. Well No. 2
Location of Well UNIT LETTER C 330 FEET FROM THE North LINE AND 2310 FEET FROM THE West LINE, SECTION 14 TOWNSHIP 13-S RANGE 38-E N.M.P.M.		10. Field and Pool, or Wildcat Bronco
15. Elevation (Show whether DF, RT, GR, etc.) 3813' DF		12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
WELL OR ALTER CASING ☐	OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐	Plug Back ☒
OTHER ☐	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Dumped 35' cement on top of bridge plug at 10,510'.
Perforated 7" casing 9654' to 9652' and 9690' to 9692' with 2 shots per ft.
Set retainer at 9620'. Block squeezed perfs. 9654' to 9652' and 9690' to 9692' with a total of 450 sx. Class "H" cement. Perforated 7" casing 9548' to 9550' with 2 shots per ft. Set retainer at 9520'. Block squeezed perfs. 9548' to 9550' with 150 sx. Class "H" cement. Drilled cement and retainers from 9516' to 9550'. Tested casing with 1000#. O.K. Drilled cement and retainer from 9620' to 9690'. Perforated 7" casing 9670' to 9680' with 2 shots per ft. Acidized perfs. 9670' to 9680' with 1000 gals. 15% NE acid. Swab tested. Set retainer at 9640'. Attempted to squeeze perfs. 9670' to 9680' with a total of 900 sx. Class "H" cement. Perforated 7" casing 9560' to 9584' with 2 shots per ft. Acidized perfs. 9560' to 9584' with 1000 gals. 15% NE acid. Swab and pump tested. Pulled tubing and pumping equipment. Closed all valves and TEMPORARILY ABANDONED.

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

BY *MC Blach* TITLE Supver., Admin. Services DATE 12-28-73

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

December 26, 1955

(Date)

Seminole, Texas

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

(Company or Operator)

Virgil Linam

(Lease)

McVay & Stafford Drilling Company

(Contractor)

Well No. 2 in the NE 1/4 NW 1/4 of Sec. 14

T. 13-S, R. 38-E, NMPM, Bronco Siluro Devonian Pool, Lea County.

The Dates of this work were as follows: December 22nd, 23rd & 24th, 1955.

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19____.

(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

11,850' TD Line - Finished 6" hole to 11,850' at 1 a.m., 12-22-55. Ran 46 jts. 5" OD 15# & 18# Casing New as Liner, set at 11,785' with Brown Type C Liner Hanger at 10,017'. Cemented with 150 sacks Slosset Cement. Plug down to 11,708' at 1:45 a.m., 12-23-55. Maximum pump pressure 1900#. Ran 6" bit to top of 5" liner at 10,017'. Tested 7" casing and 5" liner with 2500# for 30 minutes, lost 2200# pressure in 30 minutes. Ran Halliburton HRC Tool and squeezed top of 5" liner using 200 sacks Slosset Cement. Ran 6" bit to top of 5" liner at 10,017'. Tested 7" casing & 5" liner with 2500# for 30 minutes, held o.k. Ran 4-1/8" bit to TD at 11,850'. Tested 7" casing & 5" liner with 2500# for 30 minutes, held o.k.

Witnessed by C. M. Clarkson

(Name)

Amerada Petroleum Corporation

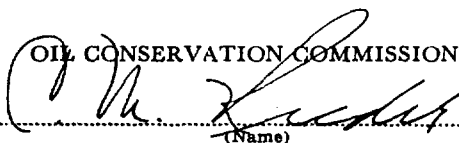
(Company)

Foreman

(Title)

Approved:

OIL CONSERVATION COMMISSION



(Name)

Engineer District 1

(Title)

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

Name

W. H. D. D. D.

Position

Dist. Supt.

Representing

Amerada Petroleum Corporation

Address

Drawer 809 Seminole, Texas

DEC 30 1955

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

November 21, 1955

(Date)

Seminole, Texas

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

(Company or Operator)

Virgil Linam

(Lease)

McVay & Stafford Drilling Company

(Contractor)

Well No. 2 in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 14T. 13-S, R. 38-E, NMPM, Bronco Siluro Devonian Pool, Lea County.The Dates of this work were as follows: November 15th, 18th, 19th & 20th, 1955.Notice of intention to do the work ~~(was)~~ (was not) submitted on Form C-102 on _____, 19____, (Cross out incorrect words)and approval of the proposed plan ~~(was)~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

10,117' - Lime - Finished 7-7/8" hole to 10,117' at 11:15 p.m., 11-15-55. Ran 267 jts. 7" OD 23#, 26# & 29# Casing New, set at 10,117' with 100 sacks Regular Cement mixed 6% Jel and 100 sacks Regular Neat Cement, total of 200 sacks. Plug down to 10,033' at 3:35 a.m., 11-19-55. Maximum pump pressure 400#. Casing was not rotated. Ran temperature survey and found top of cement on outside of 7" casing at 9878'. Ratio of actual to calculated fill- 7.36%. After waiting 28-1/2 hours for cement to set, tested 7" casing before drilling out cement with 1500# for 30 minutes, held o.k. Drilled cement inside 7" casing from 10,033' to 10,117'. Tested 7" casing after drilling out cement with 1500# for 30 minutes, held o.k. Started drilling 6" hole at 10,117' at 11 a.m., 11-20-55.

Witnessed by C. L. Thurman
(Name)Amerada Petroleum Corporation
(Company)Farm Boss
(Title)Approved: P. M. Leedy
OIL CONSERVATION COMMISSION
(Name)

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

Name W. H. QuinlanPosition Dist. Supt.Representing Amerada Petroleum CorporationAddress Drawer 809 Seminole, Texas

(Title)

(Date)

SERIAL NUMBER 064605-A

LEASE OR PERMIT TO PROSPECT -----

JAN 11 1954

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Sec. 14

T-13-S

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Amerada Petroleum Corporation Address Drawer 809 Seminole, Texas

Lessor or Tract Federal "A" Field Bronco Siluro Dev. State New Mexico

Well No. 2 Sec. 14 T. 13-S R. 38-E Meridian N.M.P.M. County Lea

Location 660 ft. $\left\{ \begin{array}{l} \text{N.} \\ \text{S.} \end{array} \right\}$ of N. Line and 1274.18 ft. $\left\{ \begin{array}{l} \text{E.} \\ \text{W.} \end{array} \right\}$ of E. Line of Sec. 14 Elevation 3810
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon, so far as can be determined from all available records.

Signed W. H. Dunlap

Date January 2, 1954

Title .. Dist. .. Supt. ..

The summary on this page is for the condition of the well at above date.

Commenced drilling **October 11,** 19**53** Finished drilling **December 30,** 19**53**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9432 to 9590 No. 4, from _____ to _____

No. 2, from 11418 to 11650 No. 5, from _____ to _____

No. 3, from _____, to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from at 12:44:27 to 12:44:44 No. 4, from 12:44:44 to 12:44:51

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From--	To--	
13-3/8"	36#	8J	Armed	318'	Armed				
8-5/8"	32#	8-Rd	J-55	4509'	Baker				
5-1/2"	17 & 20#	Xline & 8-Rd	J-55	11855'	Halliburton				
			N-80						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	318'	450 sx.	Halliburton		
8-5/8"	4528'	1200 sx.	Halliburton		
5-1/2"	11870'	700 sx.	Halliburton		

FLUGS AND ADAPTERS

Heaving plug	Material	Length	Depth set
--------------	----------	--------	-----------

Adapters—Material	Size
-------------------	------

ILLEGIBLE

ILLEGIBLE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DST - #1 - 9185 to 9356, 1 hr. & 24 minute test, 4" drill pipe, used 341' water blanket. Opened tool with weak blow of air which died in 24 minutes. Recovered 341' water blanket and 40' mud.

DST - #2 - 9398 to 9601, 4 hr. test, 4" drill pipe, used 470' water blanket. Opened tool with fair blow of air increasing to strong blow in 1 hr. and 39 minutes. Gas to surface in 1 hr. and 52 minutes, volume 10,200 cu. ft. per day. Gas volume in 3 hrs. and at end of test - too weak to measure. Recovered 470' water blanket, 689' gas cut mud and 125' heavily gas and slightly oil cut mud, estimated 20 oil.

DST - #3 - 10,725 to 10,924, pickers failed, no test.

DST - #4 - 10,805 to 10,924, 1 hr. and 40 minute test, 4" drill pipe, used 1786' water blanket. Opened tool with very weak blow of air which died in 10 minutes. Recovered 1786' water blanket and 62' mud.

DST - #5 - 11,715 to 11,805, 4 hr. test, 4" drill pipe, used 2726' water blanket. Opened tool with good blow of air diminishing to weak blow at end of test. Recovered 2726' water blanket with an est. 10% oil and gas cut mud and 8894' free oil, average 4% mud. Gravity 44.4 corrected.

DST - #6 - 11,845 to 11,870, 1 hr. and 42 minute test, 4" drill pipe, used 2820' water blanket. Opened tool with weak blow of air which died in 42 minutes. Recovered 2820' water blanket and 125' mud cut, 1% oil and gas.

Completion Data:

Perforated 5-1/2" casing from 11,490 to 11,572' and from 11,586 to 11,650' with 17-gran jet pipe shots per foot, total of 384 shots. Acidized thru 5-1/2" casing perforations with 1000 gallons Halliburton MCA Acid and 5000 gallons Western 15% Special Low Tension Acid.

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DEPARTMENT OF THE INTERIOR

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **064605-A**
LEASE OR PERMIT TO PROSPECT **Federal "A"**

ILLEGIBLE

UNITED STATES

T-13-S

DEPARTMENT OF THE INTERIOR

U. S. GEOLOGICAL SURVEY

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-01-2001 BY 60322 UCBAW

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Marathon Petroleum Corp. Address Drawer 809 Seminole, Texas
 Lessor or Tract, Federal "A" Field Bronco Siluro Dev State New Mexico
 Well No. 1 Sec. 14 T. 13-S R. 38-E Meridian N.M.P.M. County Lea

Location 1982.25 N. of N. Line and 1443.42 W. of E. Line of Sec. 14 Elevation 3810
(Barrier floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed W. H. Dunlap W. H. Dunlap

Date 10-6-53 _____

The summary on this page is for the condition of the well at above date

Commenced drilling 7-8-53 Finished drilling 10-2-53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12-3/8"	96#	8 J.	Weld	319	Armco SJ	cut at bottom	and 1 comp	14 bracks	2 or 3 comp
8-5/8"	32#	4-10	Emis	1,552	Float	1250'	1 comp	14 bracks	1 comp
History of Oil on 6-22-1911									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	319	450	Halliburton		
8-5/8"	4369	1000	Halliburton		

PLUGS AND ADAPTERS

Hoisting plug	Material	Length	Depth set
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Adaptors	Material	Size
----------	----------	------

8170 - 2
8245 - 2-1/4
8310 - 2
8375 - 2-1/4
8440 - 2
8530 - 1-3/4
8615 - 1-3/4
8720 - 2-1/4
8805 - 2
8890 - 2-1/4
8935 - 2
8995 - 2
9044 - 1-3/4

11658 - 4
11659 - 4
11665 - 4
11682 - 4
11704 - 4
11719 - 4
11728 - 4-1/4
11740 - 4-1/4
11745 - 4
11762 - 4
11768 - 4
11785 - 4
11796 - 4

ILLEGIBLE

HISTORY OF OIL OR GAS WELL

16-43061-1 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DST #1- From 9180 to 9585, 1 hr. and 55 minute test, 4" drill pipe, 5/8" bottom and 1" top chokes, used 564' water blanket. Opened tool with weak blow of air which died in 55 minutes. Recovered 8518' dry pipe, 564' water blanket and 1870' slightly gas cut mud with trace of oil, estimated 1% oil. No show of water or gas.

DST #2- From 10,765 to 10,968, 4 hr. test, 4" drill pipe, 5/8" bottom and 1" top chokes, used 1692' water blanket. Opened tool with very weak blow of air which continued throughout test. Recovered 8603' dry pipe, 1692' water blanket, 282' mud and 188' mud cut with salt water and slight trace of gas. No show of oil.

DST #3- From 11,100 to 11,210, 4 hrs. test, 4" drill pipe, 5/8" bottom and 1" top chokes, used 1974' water blanket. Opened tool with very weak blow of air which continued throughout test. Recovered 1974' water blanket and 282' heavily gas cut mud. No show of oil or water.

DST #4- From 11,935 to 11,962, 4 hr. test, 4" drill pipe, 5/8" bottom and 1" top chokes, used 2420' water blanket. Opened tool with weak blow of air which continued throughout test. Recovered 2420' water blanket, 605' salt water with trace of mud and slight trace of gas. No show of oil.

11,962 TD Line - Plugged and abandoned.
Spotted 35 sacks cement from 11,848 to 11,962.
Spotted 35 sacks cement from 9,386 to 9,500.
Spotted 35 sacks cement from 4,514 to 4,627.

Cut 8-5/8" casing at 1250' and pulled 30 jts., 1235', 8-5/8" OD 32# J-55 R-2 & R-3 8-RT Sals. ST&C Casing
Spotted 35 sacks cement from 298 to 340.
Spotted 10 sacks cement from 0 to 13 with 1 jt., 17', 4" line pipe raised 4' above ground level as marker. Intervals were filled with heavy mud laden fluid. Finished at 3 a.m. 10-2-53.

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR REPLY TO PROJECT
SERIAL NUMBER
U. S. LAND OFFICE

U. S. GOVERNMENT PRINTING OFFICE

Sink It, New Mexico

MISCELLANEOUS REPORTS ON WILDS

12410

[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

WORK ON BEGINNING MINING OPERATIONS		APPROXIMATELY 1950		YES	
WORK ON RESULT MINING WELL		RESEARCH AND DEVELOPMENT OPERATIONS		NO	

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

References

Following is a report on the work done and the results obtained under the heading "New Studies on the..."

Enclosure 11 to the Summary

... ..

George B. Miller, Jr.

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

1990年12月

13 S R 38 E N. 1/4 Sec. 34 T. 12 N. R. 38 E. S. 34

The Dates of this work were: 12-13, 12-14, 12-15-16

Notice of intention to do the work YH (was not) submitted on Form C-103 on

and approval of the proposed plan (was) (was not obtained)

[illegible]

ND - 11905, set 7" casing @ 11898 and cemented with 365 sacks of cement. Run temperature survey which indicated top of cement behind 7" casing @ 8414' from surface. Set cement set 72 hours and drilled cement plug to 11896, tested 7" casing w/1,000 psi for 1 hour before and after drilling plug. No decrease in pressure. Run electric logs. Perforated 7" casing w/1 - 1/2" set down per foot from 11895 to 11890. Run 22 WT tubing to 11884, swabbed down. Lost 10 hours swabbed 11 barrels per hr or average. Acidized w/2,000 gallons of 12% regular acid then perforated 11884 to 11890. Run 22 WT tubing 2500 psi. Min. Frac. 1000' in diameter with 2.5" hydraulic fracture. Cement 2 reservoirs and oil swabbed 112 barrels at 11884. Lost 2 hours. 2.5" hydraulic fracture.

Witness by Barbara M. Sweeney

2025-01-01 to 2025-01-01

1. Introduction

Approved:  **OIL CONTAMINATION CONTROL**

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

ILLEGIBLE

Orig: & cc: OCC
cc: VDA
JTR
F

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit report in Form C-102 to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test - casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT OFF	☒	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)

August 20, 1954

Hobbs, New Mexico

(Date)

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Sinclair Oil & Gas Company
(Company or Operator)

H. H. Harris "A"
(Lease)

Coroco Drilling Company
(Contractor)

Well No. 1

in the NE 1/4 NE 1/4 of Sec 11

T. 13 S. R. 38 E. NMPM. Bronco Siluro Devonian

Pool,

Lea

County

The Dates of this work were as follows: 8-13-54

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on

(Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 8-12-54

TD 334, set 13 3/82 OD casing @ 334 and cemented with 400 sacks of cement. Cement circulated to surface. Let cement set 48 hours and tested with 750# for 1 hour before and after drilling plug. No decrease in pressure, resumed drilling.

Witnessed by: Carl L Keys
(Name)

Sinclair Oil & Gas Co.
(Company)

Assistant foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

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

Name: *Stanley*

Position: Dist. Supt.

Representing: Sinclair Oil & Gas Company

Address: 520 East Broadway, Hobbs, New Mexico

Engineer District I
(Title)

Aug 22 1954
(Date)

ILLEGIBLE

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED

JAN 11 1954

OIL CONSERVATION COMMISSION

HOBBBS OFFICE

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION	☐	REPORT ON (Other)

January 8, 1954
(Date)

Seminole, Texas
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

L. W. Ward
(Lease)

Rowan Drilling Company, Inc.
(Contractor)

Well No. 3 in the NW 1/4 Sec. 11

T. 13-S, R. 38-E, NMPM, Bronco Silure Devonian

Pool, Lea County

The Dates of this work were as follows: January 6th, 7th & 8th, 1954.

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____ (Cross out incorrect words).
and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4546' - Line - Finished 12-1/4" hole to 4546' at 11 a.m., 1-6-54. Ran 109 jts. 9-5/8" OD 36 & 40# Casing New, set at 4546' with 1400 sacks 50% Pozmix and 50% Regular Cement mixed 2% Gel, followed with 100 sacks Neat Cement. Total of 1500 sacks. Plug down to 4461' at 7:45 a.m., 1-7-54. Max. pump pressure- 1000#. Used Baker Centralizers and B&W Scratchers. Ran temperature survey and found top of cement on outside of 9-5/8" casing at 2387', ratio of actual to calculated fill- 36.71%. After waiting on cement for 27 hrs., tested 9-5/8" casing for 1/2 hr. before drilling out cement with 1200#, held o.k. Drilled cement inside 9-5/8" casing from 4461' to 4546' and tested 9-5/8" casing for 1/2 hr. after drilling out cement with 1200#, held o.k. Started drilling 8-3/4" hole at 4546' at 1:15 p.m., 1-8-54.

Witnessed by C. L. Thurman (Name) Amerada Petroleum Corporation (Company) Farm Boss (Title)

Approved: OIL CONSERVATION COMMISSION

J. J. Stanley (Name)

Engineer District V

(Title)

JAN 12 1954

(Date)

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

Name: W. D. Dunlap

Position: Dist. Supv.

Representing: Amerada Petroleum Corporation

Address: Drawer 809 Seminole, Texas

ILLEGIBLE

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED

MISCELLANEOUS REPORTS ON WELLS DEC 30 1953

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

December 29, 1953

Seminole, Texas

(Date)

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

L. W. Ward

(Company or Operator)

(Lease)

Rowan Drilling Company, Inc.

Well No. 3 in the NW 1/4 SE 1/4 of Sec. 11

(Contractor)

T. 13-S, R. 38-E, NMPM, Bronco Silure Devonian

Pool, Lea

County

The Dates of this work were as follows: December 28, 1953 & December 29, 1953.

Notice of intention to do the work ~~from~~ (was not) submitted on Form C-102 on _____, 1953.

(Cross out incorrect words)

and approval of the proposed plan ~~from~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

322 - Red Bed - Finished 17-1/2" hole to 322' at 1:30 p.m., 12-28-53. Ran 8 jts., 13-3/8"

OD 36# Araco SW SJ Casing New, set at 319' with 400 sacks 50% Pozmix and 50%

Regular Cement mixed 2% Gel and 50 sacks Incer Cement, total of 450 sacks.

Plug down to 308' at 6:30 p.m., 12-28-53. Maximum pressure 200#. Cement

circulated. Started drilling 12-1/4" hole at 322' at 7 p.m., 12-29-53.

JAN 4 1954

Witnessed by C. L. Thurman

(Name)

Amerada Petroleum Corporation

(Company)

Farm Boss

(Title)

Approved

OIL CONSERVATION COMMISSION

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

Name S. M. Shubert

Position Foreman

Representing Amerada Petroleum Corporation

Address Drawer 809 Seminole, Texas

Engineer District 1

DEC 31 1953

(Title)

(Date)

ILLEGIBLE

ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED

MAR 10 1954

MISCELLANEOUS REPORTS ON WELLS

OIL CONSERVATION COMMISSION

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 10 days after specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging or well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)

March 6, 1954

Seminole, Texas

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

L. W. Ward

(Company or Operator)

(Lessee)

Bewan Drilling Company, Inc.

Well No. 3 in the NW 1/4 SE 1/4 of Sec. 11

(Contractor)

T. 13-S, R. 38-E, NMPM, Bronco Siluro Devonian Pool, Lea County

The Dates of this work were as follows: March 3rd, 4th & 5th, 1954

Notice of intention to do the work ~~XXXX~~ (was not) submitted on Form C-102 on _____, 19____
(Cross out incorrect words)

and approval of the proposed plan ~~XXXX~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

11,867 Total Depth - Lime. Finished 8-3/4" hole to 11,867' at 5:15 a.m., 3-3-54.
Ran 270 jts. 7" OD Casing, set at 11,720' with 700 sacks 50% Pozmix and 50% Slocet cement mixed 4% GCL. Pumped plug down to 11,626' with maximum pump pressure of 1800#. Used Baker Centralizers and B&W Scratchers. Worked casing while cementing. Ran temperature survey and found top of cement at 6489' on outside of 7" casing. Ratio of actual to calculated fill- 82.8%. After waiting on cement for 28-1/2 hrs., tested 7" casing before and after drilling out cement with 1250# for 1/2 hr., held o.k.

Witnessed by C. L. Thurman

Amerada Pet. Corp.

Farm Boss

(Name)

(Company)

(Title)

Approved:

OIL CONSERVATION COMMISSION

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

Name

Position

Representing

Address

W. H. Dunlap

Dist. Supt.

Amerada Petroleum Corporation

Drawer 809 Seminole, Texas

Engineer District 1

(Title)

(Date)

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

November 8, 1954

(Date)

Seminole, Texas

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation

(Company or Operator)

L. W. Ward

(Lease)

McVay & Stafford Drilling Company, Inc.

(Contractor)

Well No. 4 in the SE 1/4 SE 1/4 of Sec. 11

T. 13-S, R. 38-E, NMPM, Undesignated - Bronco Area Pool, Lea County

The Dates of this work were as follows: November 5th, 6th & 7th, 1954.

Notice of intention to do the work ~~XXXX~~ (was not) submitted on Form C-102 on _____ 19

(Cross out incorrect words.)

and approval of the proposed plan ~~XXXX~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4520' - Lime - Finished 12-1/4" hole to 4520' at 9:30 p.m., 11-5-54. Ran 107 jts. 9-5/8" OD 36 & 40# Casing New, set at 4517' with 1200 sacks 50% Regular & 50% Pozmix Cement mixed 4% Gel & 100 sacks Neat Cement, total of 1300 sacks. Plug down to 4427' at 10:55 a.m., 11-6-54. Max. PP 900#. Used Baker Centralizers & 100' of B&W Rotating Scratchers. Ran temperature survey, found top of cement on outside of 9-5/8" OD Casing at 2477'. Ratio of actual to calculated fill- 35.28%. After waiting on cement for 24 hrs., tested 9-5/8" OD Casing before drilling out cement with 1400# for 1/2 hr., held o.k. Drilled cement inside 9-5/8" OD Casing from 4427' to 4517' and washed open hole from 4517' to 4520'. Tested 9-5/8" OD Casing after drilling out cement with 1000# for 1/2 hr., held o.k. Started drilling 8-3/4" hole at 4520' at 1 p.m., 11-7-54.

Witnessed by G. L. Thurman

(Name)

Amerada Petroleum Corporation

(Company)

Farm Boss

(Title)

Approved:

OIL CONSERVATION COMMISSION

S. J. Stanley
S. J. STANLEY
(Name)

ENGINEER-DIST.

(Title)

NOV 12 1954

(Date)

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

Name *W. H. Quinegg*

Position Dist. Supt.

Representing Amerada Petroleum Corporation

Address Drawer 809 Seminole, Texas

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

1954 DEC 9
MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

December 7, 1954

Seminole, Texas

Following is a report on the work done and the results obtained under the heading noted above at the

Amarada Petroleum Corporation
(Company or Operator)

L. W. Ward
(Lessee)

McVey & Stafford Drilling Company, Inc.
(Contractor)

Well No. 4 in the SE 1/4 SE 1/4 of Sec. 11

T. 13-S, R. 38-E, NMPM, Undesignated - Brecco Area Pool, Lea County

The Dates of this work were as follows: December 3rd, 4th, 5th & 6th, 1954

Notice of intention to do the work (~~check~~ (was not) submitted on Form C-102 on _____, 19____
(Cross out incorrect words)

and approval of the proposed plan (~~check~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

9645 - Total Depth - Line - Finished 8-3/4" hole to 9645' at 9 p.m., 12-3-54. Run 235 joints of 7" OD 23#, 24# & 29# Casing Now, set at 9645' with 500 sacks Sisseton Cement mixed 45 Gal. Plug down to 9561' at 4 p.m., 12-5-54. Max. PP 1350#. Used Gist Centralizers & B&W Rotating Scratchers. Rotated casing until cement equalized. Ran temperature survey, found top of cement on outside of 7" OD Casing at 6532'. Ratio of actual to calculated fill- 71.4%. After waiting on cement for 31 hrs., tested 7" casing before and after drilling out cement with 1500# for 1/2 hr., held o.k.

Witnessed by: C. M. Clarkson
(Name)

Amarada Petroleum Corporation
(Company)

Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

S. G. Stanley
(Name)
Engineer District 1
(Title)

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

Name: W. D. Dunlap

Position: Dist. Supt.

Representing: Amarada Petroleum Corporation

Address: Drawer 809 Seminole, Texas

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ORIGINAL

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON



Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

September 23, 1953
(Date)Seminole, Texas
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)L. W. Ward
(Lease)Rowan Drilling Company
(Contractor)

Well No. 2 in the NE 1/4 SE 1/4 of Sec. 11

T. -13S, R-38-E, NMPM, Bronco Siluro Devonian Pool, Lea County.

The Dates of this work were as follows: September 21, 22, 23, 1953

Notice of intention to do the work (☒ (was not) submitted on Form C-102 on _____, 19____,
(Cross out incorrect words)

and approval of the proposed plan (☒ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

11,871' Total Depth - Lime. Finished 7-7/8" hole to 11,871' at 11:15 A.M. 9-19-53. Ran 298 Jts. 5-1/2" OD Casing, set at 11,650' with 700 sacks mixed 50% Slosset and 50% Pomix with 4% Gel and 1/4# Floccle added per sack. Plug down to 11,564' with 1700# maximum pump pressure. Used Baker Centralizers and B&W Scratchers. Casing was not rotated while cementing. Ran temperature survey and found top of cement on outside of 5-1/2" casing at 7185' or 80.99% fill. Tested 5-1/2" casing with 1200# for 30 minutes, held O.K. Drilled cement inside 5-1/2" casing from 11,564' to 11,650' and tested 5-1/2" casing with 1200# for 30 minutes, held O.K.

Witnessed by: Charles M. Clarkson
(Name)Amerada Petroleum Corporation
(Company)Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

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

Name: W. H. Dineen

Position: District Supt.

Representing: Amerada Petroleum Corporation

Address: Drawer 809 Seminole, Texas

Engineer District 1
(Title)SEP 24 1953
(Date)

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
APR 21 1953

MISCELLANEOUS REPORTS ON WELL CONSERVATION COMMISSION

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within HOBAS OFFICE if completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

April 20, 1953

Seminole, Texas

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

L. W. Ward
(Lessee)

Rowan Drilling Company
(Contractor)

Well No. 1 in the SW 1/4 SE 1/4 of Sec. 11

T. 13, R. 36-E, NMPM, Brencoe Area

Pool, Lea

County

The Dates of this work were as follows: April 18, 1953

Notice of intention to do the work ☒ (was not) submitted on Form C-102 on

(Cross out incorrect words)

and approval of the proposed plan ☒ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4520' - Line - Finished 11" hole to 4520' at 7:45 p.m. 4-15-53. Ran 133 jts. 8 1/2" OD 32# Casing, set at 4517' with 900 sacks regular cement mixed 4% Gel and 100 sacks neat cement, total of 1000 sacks. Plug down to 4453'. Maximum pressure 900#. Ran temperature survey, top of cement at 2482' or 40.86% fill. Tested 8 5/8" casing with 1500#, held o.k. Drilled cement inside 8 5/8" casing from 4453 to 4517', open hole from 4517 to 4520' and tested below 8 5/8" casing with 1500#, held o.k. Started drilling 7 7/8" hole at 4520' at 8:30 a.m. 4-18-53.

Witnessed by C. M. Clarkson
(Name)

Amerada Petroleum Corporation
(Company)

Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

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

Name: W. H. Dunlap

Position: District Superintendent

Representing: Amerada Petroleum Corporation

Address: Drawer 809, Seminole, Texas

(True)

(Date)

ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

ORIGINAL

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
JUL 22 1953
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 17, 1953
(Date)

Seminole, Texas
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

L. W. Ward
(Agent)

Rowan Drilling Company
(Contractor)

Well No. 2 in the NE 1/4 SE 1/4 of Sec. 11

T. 13-S, R. 36-E, NMPM, Breese Siluro Devonian Pool, Lea County

The Dates of this work were as follows: July 14th, 15th & 16th, 1953

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on

and approval of the proposed plan ~~was~~ (was not) obtained

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

JUL 22 1953

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

4534' - Line - Drilled 12-1/4" hole to 2270' and reduced to 11" at that depth. Finished 11" hole to 4534' at 11:30 a.m. 7-14-53. Ran 120 lbs., 8-5/8" OD 32# 5-5/8" 2 & R-3 Casing New, set at 4533' with 900 sacks regular cement mixed 4% Jel and 100 sacks Neat cement, total of 1000 sacks. Plug to 4451' at 5 a.m. 7-15-53. Maximum pressure 750#. Rotated casing while cementing. Used Howco Centralizers and Howco Rotating Scratchers. Ran temperature survey and found top of cement on outside of 8-5/8" casing at 2257', ratio of actual to calculated fill- 57.2%. After waiting on cement for 24 hrs., tested 8-5/8" casing for 1/2 hr. with 1200#, no pressure drop. Drilled cement inside 8-5/8" casing from 4451 to 4533' and open hole from 4533 to 4534' and tested 8-5/8" casing and open hole with 1000# for 1/2 hr., no pressure drop. Started drilling 7-7/8" hole at 4534' at 12 noon, 7-16-53.

Witnessed by: C. L. Thurman
(Name)

Amerada Petroleum Corporation
(Company)

Farm Boss
(Title)

Approved: OIL CONSERVATION COMMISSION

Roy Yankrough
(Name)
Oil & Gas Inspector

(Title)

JUL 22 1953
(Date)

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

Name: W. H. Dunlap

Position: Dist. Supv.

Representing Amerada Petroleum Corporation

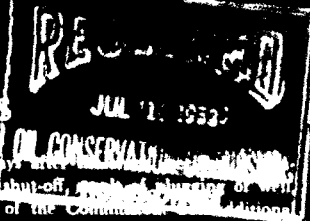
Address: Drawer 809 Seminole, Texas

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NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

ORIGINAL

MISCELLANEOUS REPORTS ON WELLS



Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after completion of the work reported. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging or well result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	☒	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 8, 1953
(Date)

Seminole, Texas
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Amerada Petroleum Corporation
(Company or Operator)

L. W. Ward
(Lessee)

Brown Drilling Company
(Contractor)

Well No. 2 in the NE 1/4 SE 1/4 of Sec. 11

T. 13-S, R. 36-E, NMPM, Bronco Silure Devonian Pool, Lea County

The Dates of this work were as follows: July 7th & 8th, 1953

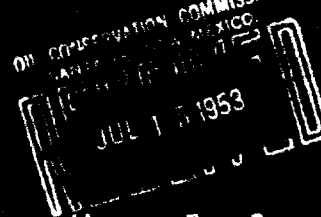
Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19

(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

322 - Red Bed - Finished 17-1/2" hole to 322° at 7:30 p.m. 7-7-53. Ran 8 jts., 13-3/8" OD 36# SM SJ Armo Casing Now, set at 319° with 400 sacks cement. Plug down to 298° at 12:45 a.m. 7-8-53. Maximum pressure 350#. Cement circulated an estimated 40 sacks. Started drilling 12-1/4" hole at 322° at 1:15 a.m. 7-9-53.



Witnessed by: C. L. Thurman
(Name)

Amerada Petroleum Corporation
(Company)

Farm Boss
(Title)

Approved: OIL CONSERVATION COMMISSION

Ray Yushrough
(Signature)

JUL 13 1953

Oil & Gas Inspector
(Title)

(Date)

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

Name: *W. H. Dunlap* W. H. Dunlap

Position: District Supervisor

Representing: Amerada Petroleum Corporation

Address: Drawer 809 Seminole, Texas

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-85

1981
OFFICE OF THE COMMISSION
SANTA FE

5A. Indicate Type of Lease STATE ☐ PER ☒
5. State Oil & Gas Lease No. -----
7. Unit Agreement Name -----
8. Firm or Lease Name Townsend
9. Well No. 1
10. Field and Pool, or Without Undesignated
12. County Lee
16. Proposed Depth 12000'
19A. Formation Mississippian
20. Rotary or C.R. Rotary
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor Moranco
22. Approx. Date Work will start 15 April 81

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐ Name of Operator Morris R. Antweil Address of Operator Box 2010, Hobbs, New Mexico 88240 Location of Well UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>10</u> TWP. <u>13-S</u> RGE. <u>38-E</u> NMPM	DRILL ☒ re-enter DEEPEN ☐ PLUG BACK ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐
Elevations (Show whether DP, RT, etc.) 3808' GR	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"		356'	350	Circ.
12 1/4"	9 5/8"	36 & 40#	4600' *	400	Unknown
8 3/4"	5 1/2"	17#			

* 9 5/8" casing was cut off & pulled from 1578'

Propose to re-enter 12 1/4" hole w/well service rig & reverse circulating unit, mill off 9 5/8" casing stub at 1578', and run 9 5/8" casing and casing bowl to repair 9 5/8" casing. A rotary rig will then be moved in to drill out plugs and clean out to 12000' to log and evaluate the wolfcamp, Atoka and Mississippian. A 5 1/4" casing will be run and cemented for production testing.

NOTIFY OCD BEFORE TESTING 9 5/8"
CASING BOWL

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10/9/81
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

By Ed Williams This Agent Date 8 April 1981

(This space for Seals Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE APR 9 1981
DIVISION OF APPROVAL ANY

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-79

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LAND OFFICE	
OPERATOR	

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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 -" (FORM C-101) FOR SUCH PROPOSALS.

Oil Well ☐ Gas Well ☒ OTHER- Re-entry: Midwest No. 1 Townsend

Name of Operator
Morris R. Antweil

Address of Operator
P.O. Box 2010 Hobbs, NM 88240

Location of Well
UNIT LETTER J 1980 FEET FROM THE South LINE AND 1980 FEET FROM

THE East LINE, SECTION 10 TOWNSHIP 13-5 RANGE 38-E

5a. Indicate Type of Lease

State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Townsend

9. Well No.

1

10. Field and Pool, or Wildcat
Undesignated

11. Elevation (Show whether DF, RT, GR, etc.)
3808

12. County
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPER.

CASING TEST AND CEMENT JOB ☐

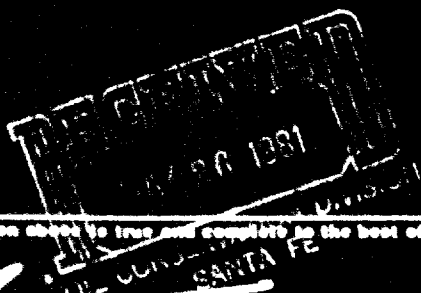
OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of ceasing any proposed work) SEE RULE 100.

Re-entered No. 1 Townsend. Remove marker and surface plug. Ran 12 1/4" bit and cleaned out to 9 5/8" casing stub @ 1574'. Ran mill and dressed off 9 5/8" casing stub. Ran 9 5/8" 36# J-55 casing with Bowen lead-seal casing bowl. Engaged 9 5/8" casing stub @ 1574' and set casing bowl. Tested casing bowl to 1000 psi - ok. Ran 8 3/4" bit and drilled out to 4540'. Attempted to test casing. Pumped in @ 1 b/m w/600psi. Ran retrievable bridge plug set @ 4200'. Ran packer and located casing leak @ 2715' - rest of casing tested ok. Set retainer @ 2642' and squeeze cemented casing leak with 250 sx class "C" cement w/6#/sx salt. Max Pressure 1000psi. Left cement in hole to set. Rigged down reverse circulating rig. Will drill out and test squeeze job when rotary rig is available.



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

TITLE Agent

DATE 15 May 81

TITLE SUPERVISOR DISTRICT 1

DATE MAY 20 1981

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

ILLEGIBLE

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO RE-ENTER OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

Oil Well ☐ Gas Well ☒ OTHER: Re-entry

Name of Operator
MORRIS R. ANTWEIL

Address of Operator
P. O. Box 2010, Hobbs, NM 88240

Location of Well
UNIT LETTER J 1980 FEET FROM THE South LINE AND 1980 FEET FROM
THE East LINE, SECTION 10 TOWNSHIP 13-S RANGE 38-E N.M.P.M.

3a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Townsend

9. Well No.
1

10. Field and Pool, or Wildcat
Undesignated

12. County
Lea

15. Elevation (Show whether DF, RT, GR, etc.)
3808'

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPER. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER <u>Re-entry & Test</u> ☒

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Drilled out retainer at 2642' & cement. Tested casing to 1500 psi - 30 min - OK.
Retrieved bridge plug. Cleaned out hole to 12,000'. Encountered lost circulation,
unable to determine where. Regained circulation with mud. Ran straddle DST
9994'-10,050'. Tool open 3 hours - recovered 9200' sulfur water. Spotted cement
plugs as follows: 45 sx - 11625-11525
45 sx - 9900-10000
45 sx - 6900- 7000
45 sx - 5500- 5600
45 sx - 4550- 4650

Rigged down rotary rig and rigged up well service unit. Cut casing at 1592', could
not pull. Cut at 1000', could not pull. Cut at 850' - free. Pulled 9-5/8" casing.
Spotted plugs as follows: 45 sx 1500'; 45 sx 1000'; 45 sx 850'; 50 sx 350' & 10 sx
surface. P&A 24 July 81.

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

James H. Hall TITLE Agent DATE 8 April 82

BY Bill Patterson TITLE OIL & GAS INSPECTOR DATE APR 16 1982

VISIONS OF APPROVAL, IF ANY:

Earl R. Bruno

P.O. BOX ~~5111~~ 590

MIDLAND, TEXAS 79704

(915) 684-8488

October 17, 1988

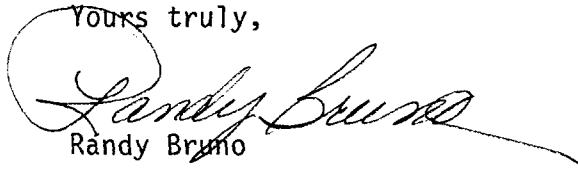
Oil Conservation Division
P. O. Box 2088
State Land Office
Santa Fe, New Mexico 87501

Gentlemen:

Please include this supplemental information with our application
for Authorization to Inject Disposal Water dated October 4, 1988.

Thank you for your cooperation.

Yours truly,


Randy Bruno

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is **Adv. Director** of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

and numbered in the

..... Court of Lea County, New Mexico, was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, once each week on the same day of the week, for one (1)

consecutive weeks, beginning with the issue of

October 6, 1988

and ending with the issue of

October 6, 1988

And that the cost of publishing said notice is the sum of \$5.69

which sum has been (Paid) (~~Assessed~~) as Court Costs

Joyce Clemens

Subscribed and sworn to before me this 11th

day of October, 1988

Mrs. Jean Serier
Notary Public, Lea County, New Mexico

My Commission Expires Sept. 28, 1990

LEGAL NOTICE

Application for water injection.
Operator - Earl R. Bruno, P.O. Box 590, Midland, TX 79702. Contact - Randy Brown

1650' F10 and 330' FEL SEC15
T13S R38E Lea County, New Mexico.
Formal title wellcamp and Devonian.

Purpose is to produce Devonian formation water.

Injection pressure 200 through 1500 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division P.O. Box 2088, Santa Fe, NM 87501 within 15 days.

Published in the Lovington Daily Leader October 6, 1988.

PROOF OF NOTICE

A. Copy of certified notice mailed
Surface owner:

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery ↑(Extra charge)↑ ↑(Extra charge)↑	
3. Article Addressed to: <i>R.D. Williams</i> <i>P.O. Box 733</i> <i>Satum, New Mexico</i> <i>88207</i>	4. Article Number <i>P 750 484 992</i> Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee <i>X Royce Brown</i> 6. Signature — Agent <i>X</i> 7. Date of Delivery <i>10-12-88</i>	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT

B. Copy of certified notice mailed
Sole active offset operator:

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery ↑(Extra charge)↑ ↑(Extra charge)↑	
3. Article Addressed to: <i>Armeda Hers Corp</i> <i>P.O. Box 2040</i> <i>Sulsa, Okla 74102</i>	4. Article Number <i>P 750 484 993</i> Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee <i>X</i> 6. Signature — Agent <i>X Carlos Lamm</i> 7. Date of Delivery <i>OCT 7 1988</i>	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT

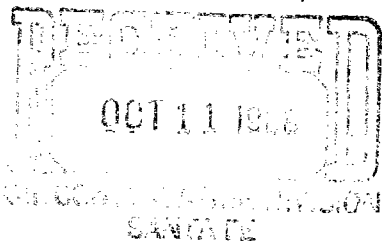


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

10-7-88

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161



OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	<u>X</u> _____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

<u>Earl R. Bruno</u>	<u>Speight</u>	<u>#2-H</u>	<u>15-13-38</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

Not enough data on our copy to
evaluate P&AWs

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed