

BEFORE EXAMINER CATANACH

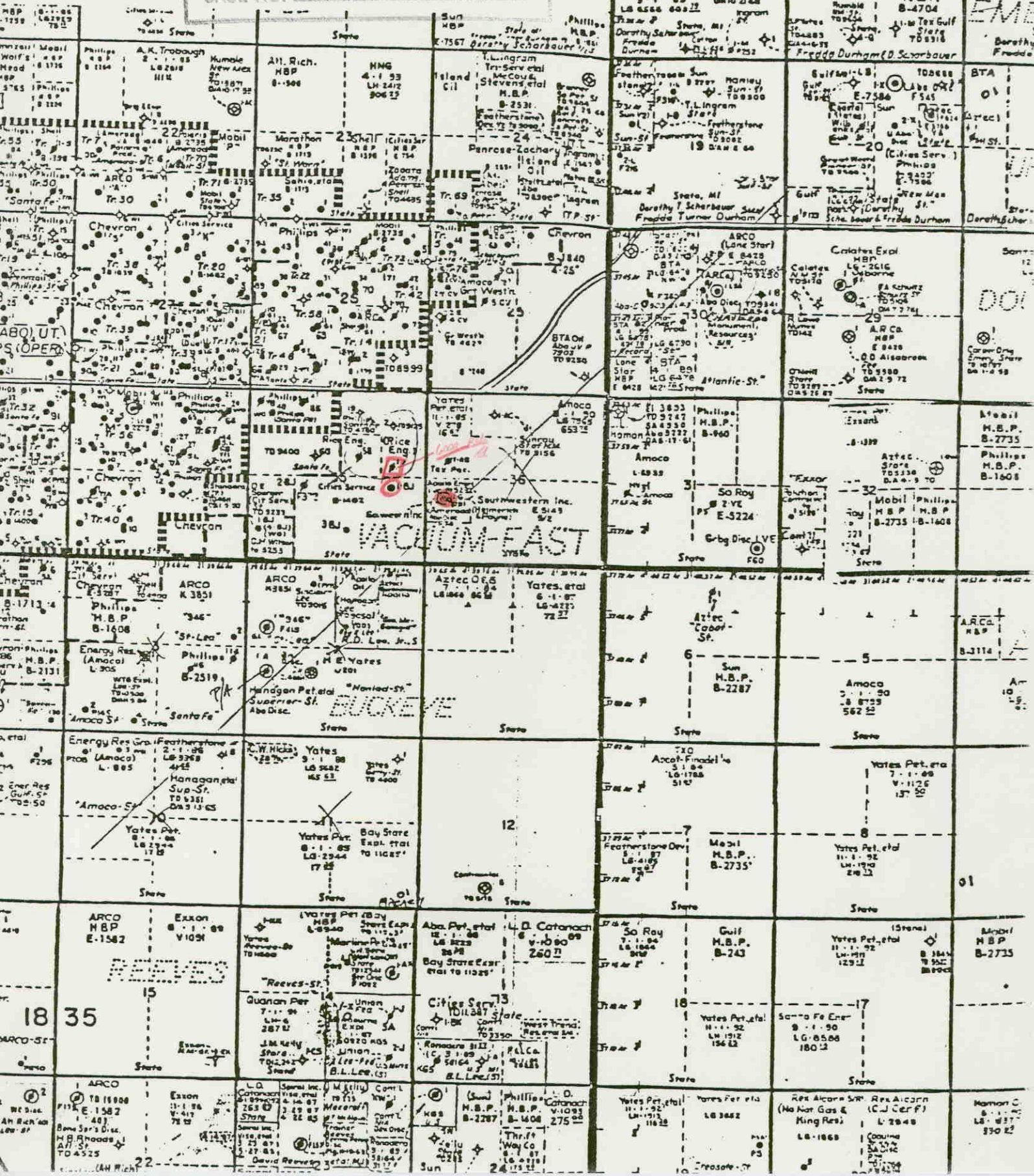
OIL CONSERVATION DIVISION

Chavero

EXHIBIT NO. 1

CASE NO.

8876



PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: L. B. Goodheart, Div. Mgr. Rice Engineering Corp. 122 W. Taylor Hobbs, New Mexico 88240	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P131072100
Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature — Addressee X <i>[Signature]</i>	
6. Signature — Agent X	
7. Date of Delivery <i>7/16/86</i>	
8. Addressee's Address (ONLY if requested and fee paid)	

Chaveroo 4/16/86

DOMESTIC RETURN RECEIPT

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION	
Chaveroo	EXHIBIT NO. <i>2</i>
CASE NO. <i>8876</i>	

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery.	
2. ☐ Restricted Delivery.	
3. Article Addressed to: Flody Pondo, Director New Mexico State Land Office P. O. Box 1148 Santa Fe, New Mexico 87504	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P131072097
Always obtain signature of addressee <u>or</u> agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X <i>[Signature]</i>	
6. Signature - Agent X	
7. Date of Delivery	
8. Addressee's Address (<i>ONLY if requested and fee paid</i>)	

Chaverro 4/16/86

DOMESTIC RETURN RECEIPT

BEFORE EXAMINER CATAHACH OIL CONSERVATION DIVISION	
Chaverro	EXHIBIT NO. _____
CASE NO.	8876

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: Mac Jones Room 401 4001 Penbrook Odessa, Texas 79762	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P131072099
Always obtain signature of addressee <u>or</u> agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X	
6. Signature - Agent X <i>Chavez</i>	
7. Date of Delivery <i>7/17/86</i>	
8. Addressee's Address (ONLY if requested and fee paid) <i>4001 Penbrook Odessa TX 79762</i>	

Chavez 4/16/86

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

CHAVEZ EXHIBIT NO. _____

8876

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery.	
2. ☐ Restricted Delivery.	
3. Article Addressed to: Apollo Energy, Inc. P. O. Box 5315 Hobbs, New Mexico 88241	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	Article Number P131072101
Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature - Addressee X <i>[Signature]</i>	
6. Signature - Agent X	
7. Date of Delivery <i>3-28-86</i>	
8. Addressee's Address (ONLY if requested and fee paid)	

Chaveroo 4/16/86

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION	
Chaveroo	EXHIBIT NO. _____
CASE NO.	<i>8876</i>

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery.	
2. ☐ Restricted Delivery.	
3. Article Addressed to: Mr. E. F. Motter Cities Service Oil & Gas P. O. Box 1919 Midland, Texas 79702	
4. Type of Service: ☐ Registered ☒ Certified ☐ Express Mail	Article Number P131072096
Always obtain signature of addressee or agent and <u>DATE DELIVERED.</u>	
5. Signature — Addressee X	
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid) <i>[Signature]</i>	

Chaveroo 4/16/86

DOMESTIC RETURN RECEIPT

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION	
Chaveroo	EXHIBIT NO. _____
CASE NO.	8876

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 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 service(s) requested.	
1. ☒ Show to whom, date and address of delivery. 2. ☐ Restricted Delivery.	
3. Article Addressed to: Southwestern, Inc. P. O. Box 1116 Lovington, New Mexico 88260	
4. Type of Service: ☐ Registered ☐ Insured ☒ Certified ☐ COD ☒ Express Mail	Article Number P131072102
Always obtain signature of addressee <u>or</u> agent and DATE DELIVERED.	
5. Signature — Addressee X	
6. Signature — Agent X <i>[Signature]</i>	
7. Date of Delivery 3-27-86	
8. Addressee's Address (ONLY if requested and fee paid)	

Chaveroo 4/16/86

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION	
Chaveroo	EXHIBIT NO. _____
CASE NO. 8876	_____

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

RECEIVED

OCT 29 1985

IN THE MATTER OF THE APPLICATION
OF CHAVEROO OPERATING COMPANY,
FOR SALT WATER DISPOSAL, LEA
COUNTY, NEW MEXICO.

OIL CONSERVATION DIVISION

CASE:

A P P L I C A T I O N

Comes now Chaveroo Operating Company, by and through its attorneys, Kellahin & Kellahin, and applies to the New Mexico Oil Conservation Division for authority to dispose of produced salt water into the Vacuum Grayburg-San Andres Pool in the perforated intervals from 4804 feet to 5212 feet in its State G-36 Well #1, located in Unit L, 1980 feet from the South line and 660 feet from the East line of Section 36, T17S, R35E, NMPM, Lea County, and in support thereof would show:

1. Applicant is the operator of its well located in Unit L of Section 36, T17S, R35E, Lea County, New Mexico.

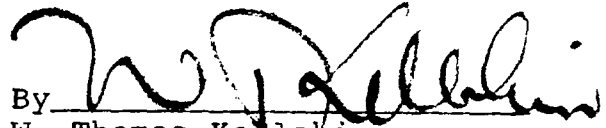
2. Applicant seeks to convert the subject well to a salt water disposal well in the Vacuum Grayburg-San Andres Pool through perforations at 4804 feet to 5212 feet.

3. Applicant is preparing Division Form C-108 and will submit that application separately from this application.

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
Chaveroo	EXHIBIT NO. 3
CASE NO. 8876	

4. Wherefore, Applicant requests that this application be set for hearing and that after notice and hearing the application be granted.

Kellahin & Kellahin

By 

W. Thomas Kellahin

P. O. Box 2265

Santa Fe, New Mexico 87501

(505) 982-4285

RECEIVED

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: CHAUVERON OPERATING CO. INC. ^{NOV 1985} OIL CONSERVATION DIVISION
Address: 1400 San Felipe, Suite 621, Houston, Texas 77056
Contact party: William Cochran Phone: 713-627-2875
- 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: Darrell McBride Title: OPERATIONS ENGINEER

Signature: Darrell McBride

Date: 11/13/85
BY: EXHIBIT STONER

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

CHAUVERON EXHIBIT NO. 1

CASE NO. 8761

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.

LAST

1997

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Chico Basin, Chalk Creek, San Joaquin, Los Angeles, Santa Ana, etc. 4000 - 5000 ft.

Specific Gravity 1.23
Turbidity
Oxygen, as O2 ppm
Sulfide as H2Sppm 1.50
Temperature F 80.00

VISCO Squeeze Recommendation

Prepared for CHEVEROO
 BUCKEYE

DON BAMERT
NALCO Chemical Company
5-Oct-85

Well Number : BUCKEYE ABO AB
Water Source : WELLHEAD

Squeeze Type : Standard Squeeze
Scale Inhibitor : VISCO 953
Inhibitor Volume : 336
Diluent Volume (bbls.) : 97
Overflush Volume (bbls.) : 520
Tubing Displacement (bbls.) : 58
Annular Displacement (bbls.): 192

PROCEDURE

=====

Mix 336 gallons of VISCO 953 in 97 bbls. of Produced Water
Pump this mixture downhole.
Follow immediatly with 520 bbls of produced water flush
and 58 bbls. produced water if squeezing down the tubing
or 192 bbls. produced water if squeezing down the annulus.
Leave well shut-in 24 hours before returning to production.

DEPTH OF PRODUCING FORMATION PENETRATION

=====

WITH VARYING OVERFLUSH VOLUMES

=====

RADIAL PENETRATION (ft.) OVERFLUSH VOLUME (bbls)

1	5
3	37
5	98
7	187
9	305

This additional volume must be added to the tubing or annular volume
to achieve a given radial chemical penetration.

)1
 Would you like to :
)1
 { 1. Enter new set of vAva
 2. LiyTBcurrent data
 #i~r:r{ 3. Edit cRf

387-2041

WATER ANALYSIS
LISA#2

Please position paper at top of a page.
 Please press the <RETURN> key to continue >

VISCO Water Analysis

Prepared for CHAVEROO
 BUCKEYE 1st#2

DON BAMERT
 NALCO Chemical Company
 5-Oct-85

Well Number : BUCKEYE ABO AB
 Water Source : WELLHEAD

DISSOLVED SOLIDS

		mg/l	meq/l			mg/l
Cations						
Sodium	Na+	38,435.74	1,671.12	as NaCl		
Calcium	Ca++	27,200.00	1,360.00	as CaCO3		68,000.00
Magnesium	Mg++	21,627.00	1,779.90	as CaCO3		89,000.00
Barium	Ba++			as CaCO3		
Total Cations		87,262.74	4,811.02			

		mg/l	meq/l			mg/l
Anions						
Chloride	Cl-	169,960.00	4,792.87	as NaCl		280,000.00
Sulfate	SO4=	757.12	15.75	as Na2SO4		1,120.00
Carbonate	CO3=			as CaCO3		
Bicarb.	HCO3-	146.40	2.40	as CaCO3		120.00
Total Anions		170,863.52	4,811.02			

Total Solids 258,126.26

Total Iron, Fe	1.20	as Fe	1.20
Acid to Phen, CO2	343.20	as CaCO3	780.00

SCALING INDICES

Temp	CaCO3	CaSO4	BaSO4
50 F	-203.66	+13.53	
77 F	-222.52		
95 F	-231.83	+13.49	
122 F	-240.92	+12.41	
149 F	-244.14		
176 F	-241.50	+13.23	
203 F	-233.00		

Positive values indicate scaling is likely.
 Scaling Indices calculated using ASTM standard practices.

OTHER PROPERTIES

VISCO Water Analysis

Prepared for CHAVEROO
HOBBS, N.M.

DON BAMERT
NALCO Chemical Company
4-Nov-85

Well Number : GILES LEE
Water Source : HOME

DISSOLVED SOLIDS

=====

Cations	mg/l	meq/l		mg/l
=====	=====	=====		=====
Sodium Na+	41.03	1.78	as NaCl	
Calcium Ca++	560.00	28.00	as CaCO3	1,400.00
Magnesium Mg++	18.23	1.50	as CaCO3	75.00
Barium Ba++			as CaCO3	
Total Cations	619.25	31.28		

Anions	mg/l	meq/l		mg/l
=====	=====	=====		=====
Chloride Cl-	728.40	20.54	as NaCl	1,200.00
Sulfate SO4=	473.20	9.84	as Na2SO4	700.00
Carbonate CO3=			as CaCO3	
Bicarb. HCO3-	54.90	0.90	as CaCO3	45.00
Total Anions	1,256.50	31.28		

Total Solids 1,875.75

Total Iron, Fe	as Fe
Acid to Phen, CO2	as CaCO3

SCALING INDICES

=====

Temp	CaCO3	CaSO4	BaSO4
-----	-----	-----	-----
50 F	+0.07	-23.84	
77 F	+0.33		
95 F	+0.51	-54.21	
122 F	+0.79	-45.45	
149 F	+1.09		
176 F	+1.40	-52.04	
203 F	+1.73		

Positive values indicate scaling is likely.
Scaling Indices calculated using ASTM standard practices.

OTHER PARAMETERS

=====

pH	7.10
Calcium Hardness	1.00

VISCO ater Analysis

Prepared for CHAVEROO
HOBBS, N.M.

DON BAMERT
NALCO Chemical Company
4-Nov-85

Well Number : R. D. LEE / HOME
Water Source :

DISSOLVED SOLIDS

Cations		mg/l	meq/l		mg/l
=====		=====	=====		=====
Sodium	Na+			as NaCl	
Calcium	Ca++	480.00	24.00	as CaCO3	1,200.00
Magnesium	Mg++	194.40	16.00	as CaCO3	800.00
Barium	Ba++			as CaCO3	
-----		-----	-----		
Total Cations		674.40	40.00		

Anions		mg/l	meq/l		mg/l
=====		=====	=====		=====
Chloride	Cl-	637.35	17.97	as NaCl	1,050.00
Sulfate	SO4=	507.00	10.55	as Na2SO4	750.00
Carbonate	CO3=			as CaCO3	
Bicarb.	HCO3-	36.60	0.60	as CaCO3	30.00
-----		-----	-----		
Total Anions		1,180.95	29.12		

Total Solids 1,855.35

Total Iron, Fe as Fe
Acid to Phen, CO2 as CaCO3

SCALING INDICES

Temp	CaCO3	CaSO4	BaSO4
-----	-----	-----	-----
50 F	-0.31	-20.97	
77 F	-0.05		
95 F	+0.12	-40.42	
122 F	+0.41	-34.57	
149 F	+0.72		
176 F	+1.04	-28.66	
203 F	+1.38		

Positive values indicate scaling is likely.
Scaling Indices calculated using ASTM standard practices.

OTHER PROPERTIES

pH	7.40
Specific Gravity	1.00
Turbidity	
Oxygen, as O2 ppm	
Sulfide as H2S ppm	
Temperature F	70.00

analysis

prepared for CHAVEROO
HOBBS, N.M.

DON BAMERT
NALCO Chemical Company
4-Nov-85

Well Number : R.D. LEE
Water Source : IRRIGATION WELL

DISSOLVED SOLIDS

Cations		mg/l	meq/l		mg/l
=====		=====	=====		=====
Sodium	Na+	70.81	3.08	as NaCl	
Calcium	Ca++	840.00	42.00	as CaCO3	2,100.00
Magnesium	Mg++	24.30	2.00	as CaCO3	100.00
Barium	Ba++			as CaCO3	
-----		-----	-----		
Total Cations		935.11	47.08		

Anions		mg/l	meq/l		mg/l
=====		=====	=====		=====
Chloride	Cl-	1,092.60	30.81	as NaCl	1,800.00
Sulfate	SO4=	743.60	15.47	as Na2SO4	1,100.00
Carbonate	CO3=			as CaCO3	
Bicarb.	HCO3-	48.80	0.80	as CaCO3	40.00
-----		-----	-----		
Total Anions		1,885.00	47.08		

Total Solids 2,820.11

Total Iron, Fe as Fe
Acid to Phen, CO2 as CaCO3

SCALING INDICES

Temp	CaCO3	CaSO4	BaSO4
-----	-----	-----	-----
50 F	+0.08	-8.50	
77 F	+0.34		
95 F	+0.53	-16.74	
122 F	+0.82	-14.29	
149 F	+1.14		
176 F	+1.47	+16.17	
203 F	+1.83		

Positive values indicate scaling is likely.
Scaling Indices calculated using ASTM standard practices.

OTHER PROPERTIES

Specific Gravity	7.50
Turbidity	1.00
Oxygen, as O2 ppm	
Sulfide as H2S ppm	
Temperature F	70.00

HALLIBURTON DIVISION LABORATORY
HALLIBURTON COMPANY
LOVINGTON, NEW MEXICO

LABORATORY WATER ANALYSISNo. W73-584To Jack PharisDate 9-17-73

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by _____ Date Rec. _____

Well No. St. G "36" #1 Depth _____ Formation San Andres

County _____ Field _____ Source _____

9-16-739-17-73Resistivity _____ 0.133 @ 74° F. 0.117 @ 74° F.Specific Gravity _____ 1.051 1.058pH _____ 7.0 7.0Calcium (Ca) _____ 5,500 6,600 *MPLMagnesium (Mg) _____ 1,200 840Chlorides (Cl) _____ 48,000 54,000Sulfates (SO₄) _____ 1,990 2,590Bicarbonates (HCO₃) _____ 1,060 1,075Soluble Iron (Fe) _____ Light Light

Remarks:

*Milligrams per liter

Water Sample of 11/3/73

Respectfully submitted,

Analyst Brewer
cc:

HALLIBURTON COMPANY

By W. L. Brewer
CHEMIST**NOTICE**

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

VII. Data on proposed operation:

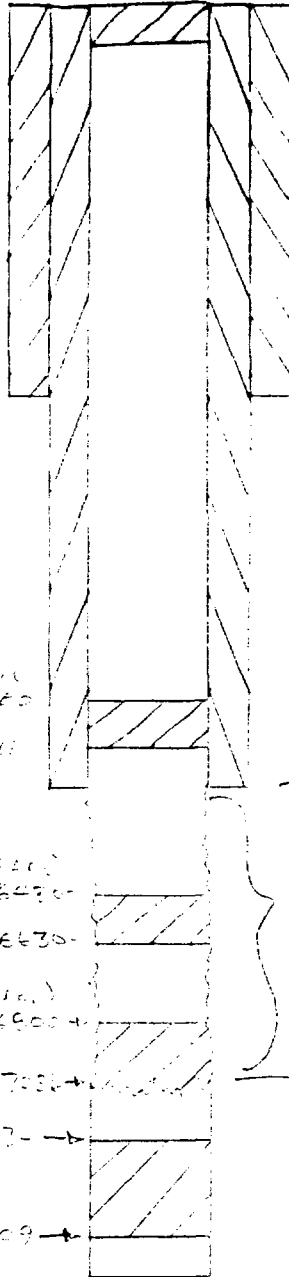
1. Proposed average volume of fluids - 300 bbls/day
" maximum " " " - 500 bbls/day
" average rate of injection - 1/2 bbl/min.
" maximum " " " - same
2. Closed system
3. Average and maximum injection pressure - 900 lbs.
4. Analysis of injection fluid - to be supplied
5. See chemical analysis attached.

TEXAS PACIFIC

STATE AB #1

E36-17S-35E

SPOT 1080
@ SURFACE



1 3/8 SET @ 700 FT CMT US/S
CIRCULATED TOP SURF

SPOT 2300
@ SHADE

4300
4500

8 5/8 SET @ 4600 CMT W/
CIRCULATED TO SURF

SPOT 2500
Total Circulation

6400
6600
6800

OPEN HOLE

SPOT 2500
Total Circulation

6800
7000
7200

5 1/2 SET OFF @ 7036

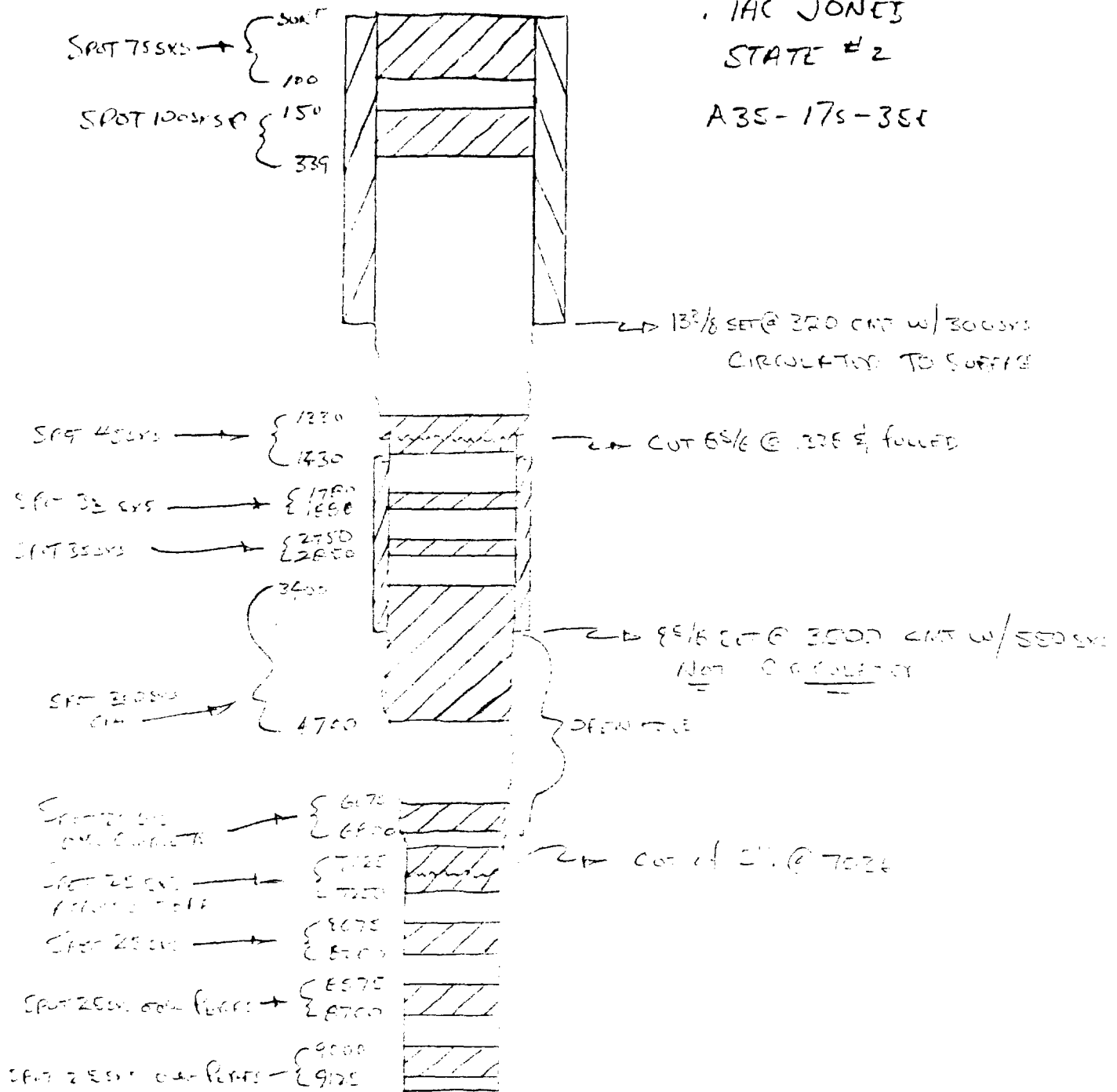
SPOT 5000
Total Circulation

8000
8500

IAC JONES

STATE #2

A35-17s-351



022000K
 WCLL NAME
 STATE VIC #1
 L36-175-35E
 9074
 123/8 280 300 CIRC
 5 1/2 4587 140055 CIRC
 5 1/2 74510 200 CIRC 8890-877
 9072 600

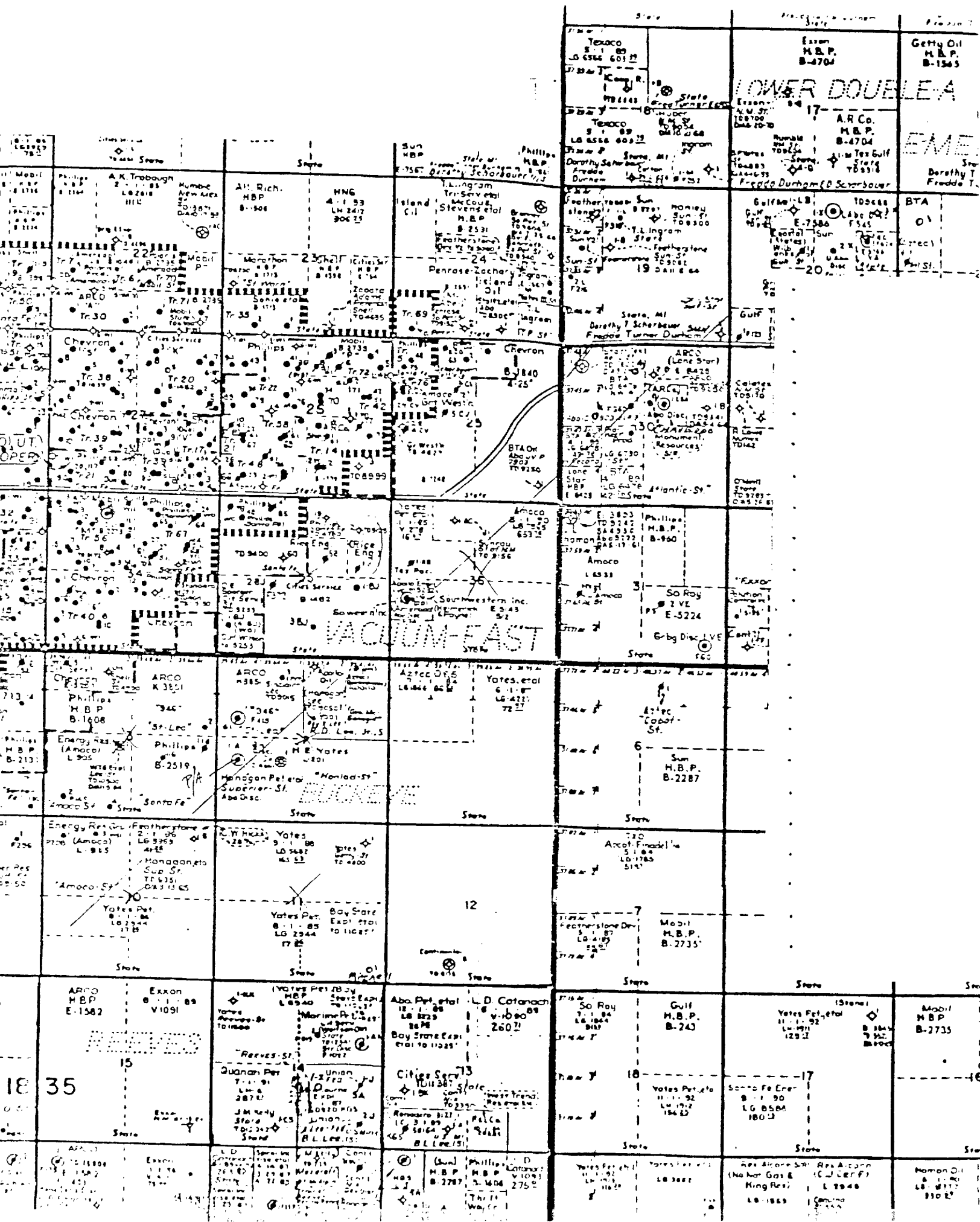
Apollo
 Energy Inc.
 STATE G-36 L-36-175-35E #1
 5218
 13" 220 150 CIRC
 5 1/2 4879 42555 CIRC 4
 74972 50 C" 4891-512

Cities Services
 Re Co.
 STATE TRJ I 35-175-35E #1
 9009
 13 3/8 326 350 CIRC
 8 5/8 3512 14855 CIRC 5 1/2 9009 800
 8914-892

Mr. Jones
 STATE #2
 M 35-175-35E
 9125
 P/O SPOTTED 2555 @ 9125, 8700, 8200, 7250, 6500, 4770, 3550
 CUT 15 1/8 @ 123/8 & 11 1/8 SPOTTED 2555 @ 135/8 & 350 1055 ON SURFACE
 DEPTH 44700' 350 SW @ 4700 to 3500 100% SURF 2555 2850, 7555 @ 1880
 4555 1720' 10055 339 7555 100 to 3000' 1150
 Vacuum SWD 11-35-175-35E #1
 9200
 12 3/8 321 325 CIRC 8 5/8 3502 60055 CIRC 5 1/2 9189 77555
 8780-9051
 5750-5245
 Borehole Flow @ 7600

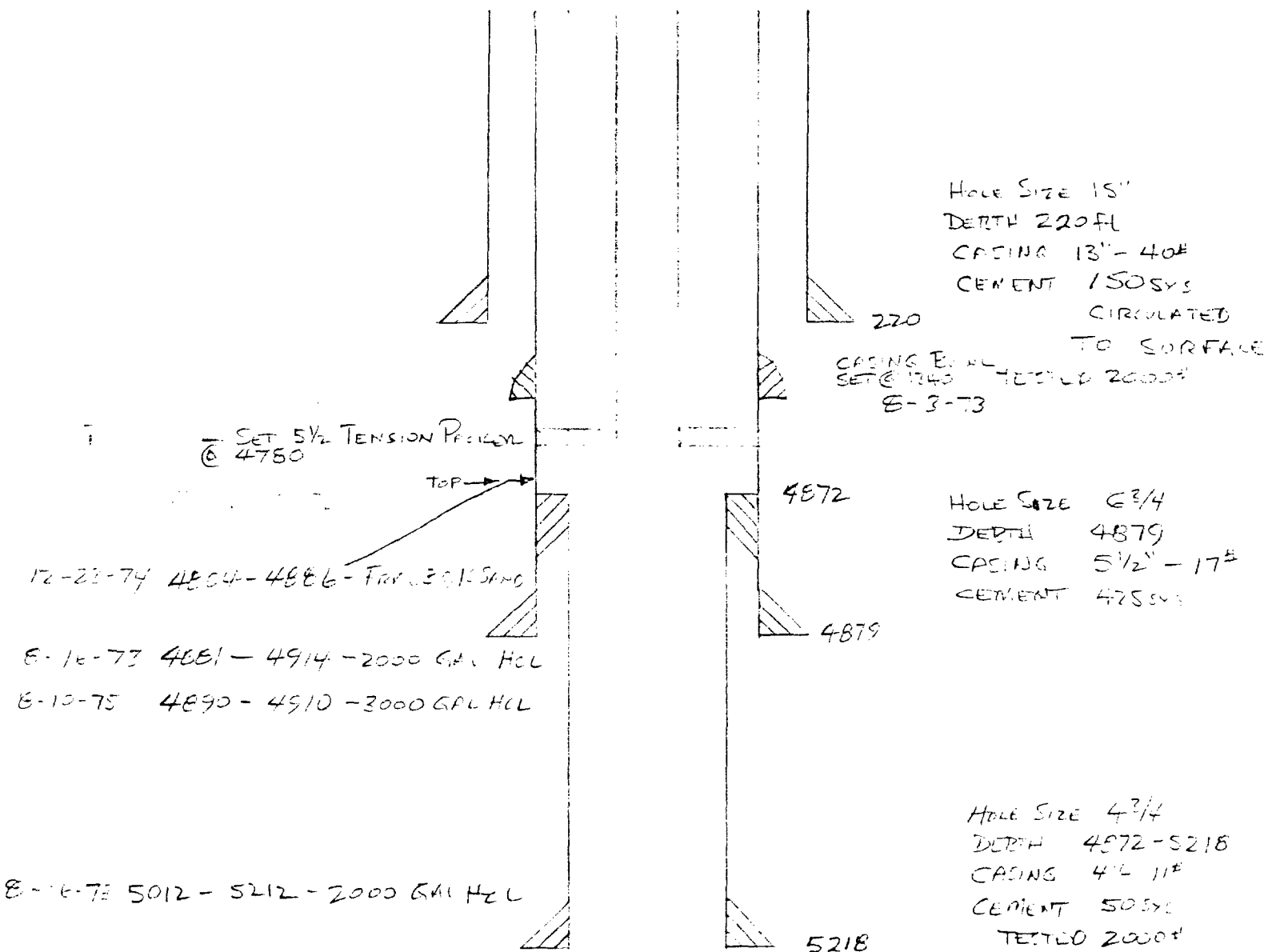
The Pacific
 Oil Co.
 STATE AB E-36-175-35E #1
 9040
 12 3/8 321 325 CIRC 8 5/8 3502 60055 CIRC 5 1/2 9189 77555
 8780-9051
 5750-5245

When lowered within 1/2 mile Radius of
 Proposed Drilling Well



F. ROSED DISPOSAL WELL

EXHIBIT A STATE G-36 WELL #1
LEGAL Sect 36 T17S R35E



RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.C.P.O. 1582-440-014

PS Form 3500, Feb. 1982

Sent to	
Ray Graham, Director	
NM State Land Office	
P. O. Box 1148	
Post Office and ZIP Code	
Santa Fe, NM 87504	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

1st Class
and
Return

Kellahin & Kellahin
P.O. BOX 2265
EL PATIO - 117 N. GUADALUPE
SANTA FE, NEW MEXICO 87504-2265

Texas Pacific Oil Company
P. O. Box 1069
Hobbs, New Mexico 88240

CLAIM CHECK
648669

DATE

☐ VOID

IS NOTICE

ENDORSE

RETURN

Detached from
PS Form 3849-A
Oct. 1980

Chaveroo 11/21/85

SENDER: Complete items 1, 2, 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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested. ☒ 1. Restricted Delivery	
Article addressed to: Texas Pacific Oil Company 6901 BOX 10 HOBBS NEW MEXICO 88240	
4. Type of Service: ☒ Registered ☐ Insured ☐ COD ☒ Certified ☐ Express Mail	Article Number 44561941P
Always obtain signature of addressee or agent and DATE DELIVERED	
5. Signature - Addressee X	
6. Signature - Agent X	
7. Date of Delivery	
8. Addressee's Address (ONLY if requested and fee paid)	

Form 3811, July 1983 447-845

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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

G. M. Geyer
Cities Service Petroleum Co.
P. O. Box 69
Hobbs, New Mexico 88240

4. Type of Service:

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P176135283

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X 

6. Signature - Agent

X

7. Date of Delivery

11-12-81

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Chaverroo 11/21/85

PS Form 3811, July 1983 447-845

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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Southwestern, Inc.
P. O. Box 1116
Lovington, New Mexico 88260

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	P176135282

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X
6. Signature - Agent
X
7. Date of Delivery
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Chavezroo 11/21/85

PS Form 3811, July 1983 447-845

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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Mac Jones
Room 401
4001 Penbrook
Odessa, Texas 79762

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	P176135279

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X
6. Signature - Agent
X *Wendell R. ...*
7. Date of Delivery
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Chavezroo 11/21/85

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Apollo Energy, Inc.
P. O. Box 5315
Hobbs, New Mexico 88241

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	P176135281

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *San ...*
6. Signature - Agent
X
7. Date of Delivery
11-12-85
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Chavezroo 11/21/85

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
L.B. Goodheart, Div. Manager
Rice Engineering Corporation
122 W. Taylor
Hobbs, New Mexico 88240

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	P176135280

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X
6. Signature - Agent
X
7. Date of Delivery
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Chavezroo 11/21/85

RICE ENGR
#1

BEFORE EXAMINER CATANACH
OIL CONSERVATION COMMISSION
Chavon EXHIBIT # 4
CASE NO. 8876

#35 Rice Engineering Corp. 35-17-35
Vacuum S&D "H"
CUD 1000

SUNDAY NOTICES AND REPORTS ON WELLS
USE APPLICATION FOR PERMIT TO FORM C-104 FOR SUCH INFORMATION

1. Name of Operator: Rice Engineering & Operating, Inc.
2. Address of Operator: P. O. Box 1142, Hobbs, New Mexico 88240
3. Location of Well: UNIT 1175R H 2210 FEET FROM THE NORTH LINE AND 220 FEET FROM THE EAST LINE, SECTION 35, TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.
4. Elevation of Well: 3493' GR
5. Unit Agreement Time: 11-75
6. Name of Lease Owner: VAC 3493' (Abo)
7. Well No.: 10
8. County: Lea

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

NOTICE OF INTENTION TO:

REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ PLUS AND ABANDON ☐
PULL OR ALTER CASING ☐ CHANGE PLANS ☐
OTHER ☐ OTHER ☒ CONVERSION TO S&D WELL

1. Commenced conversion operations 1-12-70
2. Set 5 1/2" Baker Model "N" GIBP at 7600' and dumped 2 ex. cnt. on top of plug
3. Perforated 5 1/2" casing w/2 jet shots per foot at following intervals:
5750-55', 5720-25', 560-74', 5345-63', 5260-85', and 5230-45'
4. Selectively treated perforated intervals as follows:
6955-95' w/1,500 gals. 15% regular HCL acid
5750-55' w/750 gals. 15% regular HCL acid
5720-25' w/750 gals. 15% regular HCL acid
560-74' w/1,500 gals. 15% regular HCL acid
5345-63' w/2,000 gals. 15% regular HCL acid
5325-38' w/1,500 gals. 15% regular HCL acid
5260-85' w/2,000 gals. 15% regular HCL acid
5230-45' w/1,500 gals. 15% regular HCL acid
5. Ran maximum gravity injection test down 5 1/2" casing at rate of 417 BWPH after casing loaded

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

ORIGINAL SIGNED BY: L. B. GOODHEART TITLE: Division Manager DATE: Jan. 21, 1970
APPROVED BY: [Signature] TITLE: [Blank] DATE: [Blank]
CONDITIONS OF APPROVAL (IF ANY): [Blank]

VI. CERTIFICATE OF COMPLIANCE

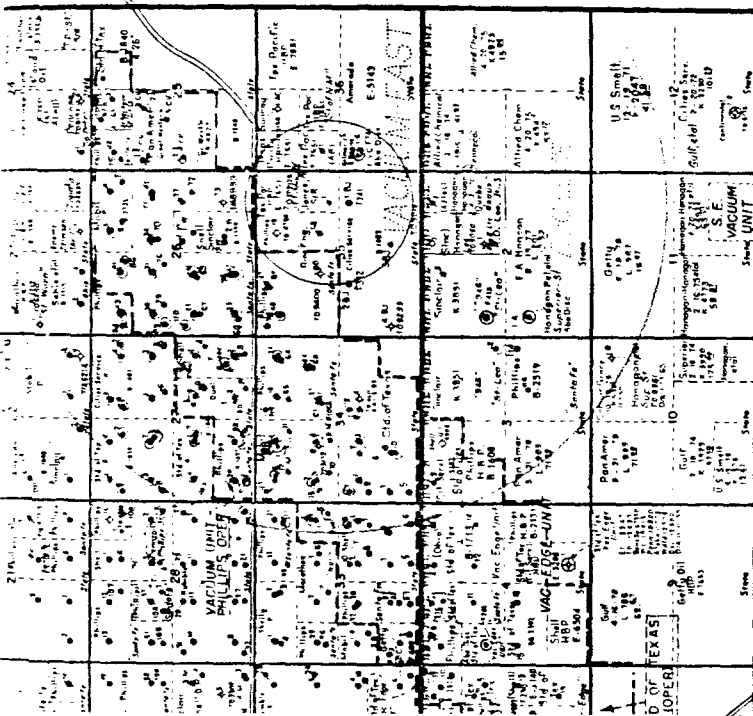
I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

ORIGINAL SIGNED BY: L. B. GOODHEART
L. B. Goodheart (Signature)
Division Manager (Title)
August 6, 1969 (Date)

APPROVED BY: [Signature] TITLE: [Blank] DATE: [Blank]
TITLE: [Blank]

GIL CONSERVATION COMMISSION

This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowable on new and re-completed wells. Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or 100-foot or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply completed wells.



T 17 S

Legend

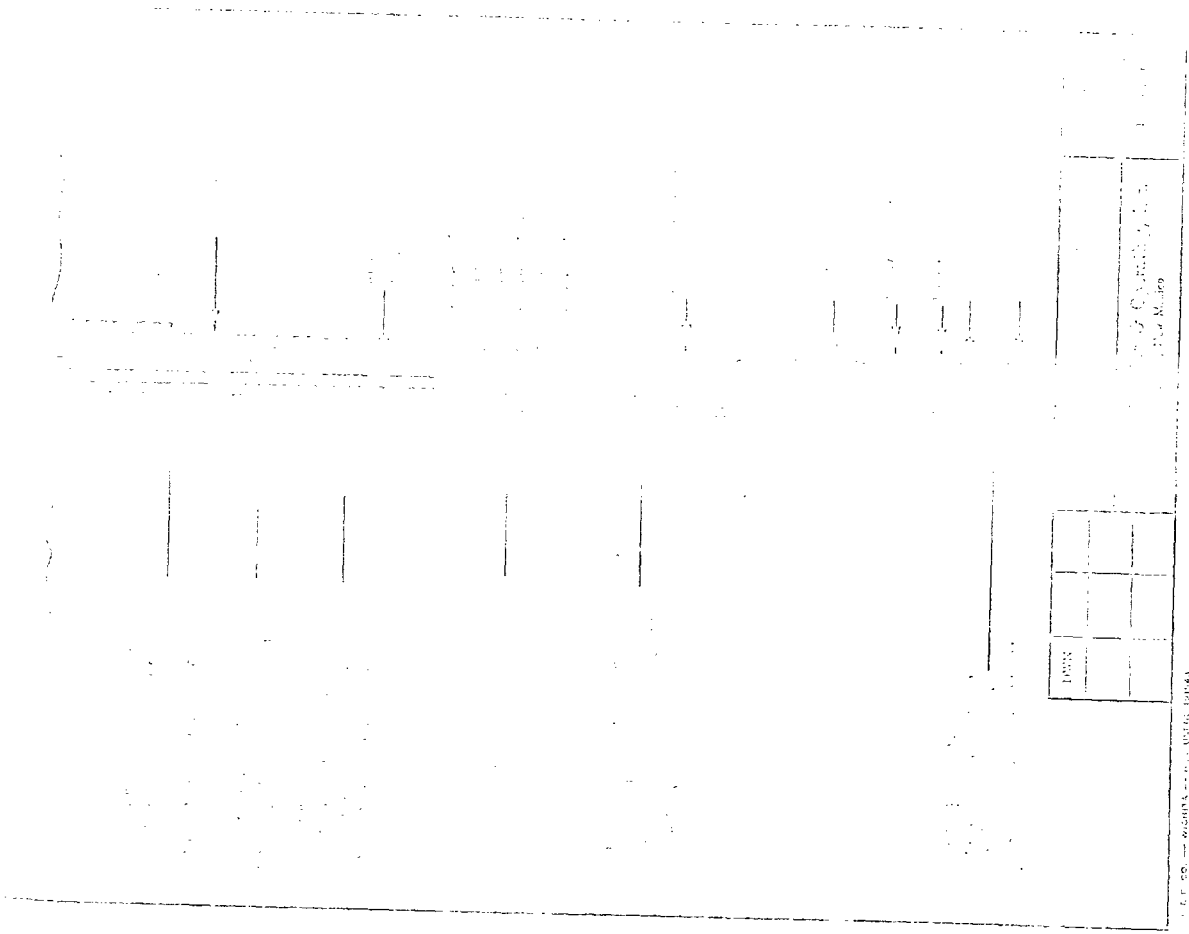
- Yates
- Grayburg-San Andres
- Glorieta
- Abo
- Bone Springs

LEA COUNTY, NEW MEXICO

EXHIBIT "A"

DWN.	DRL	10 - 69	LOCATION PLAT	SCALE
			VACUUM SWD WELL H-35	1" - 4000'
			RICE ENGINEERING & OPERATING, INC.	DWG. NO.
			HOBBS, NEW MEXICO	A - 446

Testing Method (per, back pr.)	Tabing Pressure (shut-in)	Casing Pressure (shut-in)	Casing Size
VI. CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.			
ORIGINAL SIGNED BY L. B. GOODHEART L. J. Goodheart (Signature) Division Manager (Title) August 6, 1969 (Date)			
OIL CONSERVATION COMMISSION APPROVED AUG 13 1969 BY [Signature] TITLE			
This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowable on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply completed wells.			



Testing Method (pilot, back pt.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Clock Size
OIL CONSERVATION COMMISSION			
VI. CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.			
ORIGINAL SIGNED BY L. B. GOODHEART <i>L. B. Goodheart</i> (Signature) Division Manager (Title) August 6, 1969			
APPROVED _____, 19____ BY _____ TITLE _____			
This form is to be filled in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowable on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.			

WELL RECORD

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 QUANTIFIABLE If State Land submit 6 Copies

AREA 840 ACRES
LOCATE WELL CORRECTLY

NAME OF OPERATOR

STATE

LOCATE WELL CORRECTLY

Well No. 1, in SE 1/4 of NE 1/4, of Sec. 35, T. 17S, R. 35E, NMPM.

Vacuum Also Reef Pool, Lea

Well is 920 feet from E line and 2310 feet from N line

of Section 35. If State Land the Oil and Gas Lease No. is E-7651.

Drilling Commenced Feb. 10, 1963. Drilling was Completed April 1, 1963.

Name of Drilling Contractor Sharp Drilling Company

Address P. O. Box 1271, Midland, Texas

Elevation above sea level at Top of Tubing Head 3200' The information given is to be kept confidential until

1963

OIL SANDS OR ZONES

No. 1, from 8730 to 8825 (Also Reef) No. 4, from to

No. 2, from 9046 to 9056 (Also Reef) No. 5, from to

No. 3, from to 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 JOBS	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8	43#	New	304.73	None	None	None	Surface Pipe
9 5/8	32#	New	3502.00	Halliburton	Halliburton	None	Intermediate
5 1/2	17#	New	9178.13	Halliburton	Halliburton	8700-8825	Production string
						9046-9056	

MUDGING AND CEMENTING RECORD

SIZE OF HOLES	SIZE OF CASING	WATER BEY	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	13 3/8	321	325	Pump & Circ.		
11"	8 5/8	3502	✓ 600	Pump & Circ.		
7 7/8	5 1/2	9189	775	Pump (2 stage-DV tool @ 300)		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qm. or Gal. used, interval treated or shot.)

(1) A/500 MCA, 2500 NE-15 perfs. @9044-56; (2) Frac 15,000 gal. oil, 8000 gal. NE-15 acid, 19,500# sand, 500# TIG-15 (Halliburton) perfs @8700-8825; (3) Perf. 6957-59, swab natural; (4) Perf. 6663-66, 6673-74, A/500 MCA.

Result of Production Stimulation (1) Swab 60 MLO, 1 BAW, KO & FI 197 WFO 5 1/2 hrs.; (2) FI, 8 MLO and died; swab, 55 1/2 MLO 2 1/2 hrs. KO & FI, 496 MLO & 5 WAW 12 hrs; (3) Swab 100% salty ml. water; (4) Swab 25 MLO, 12 BAW, 45 bbls. salty mud-cut sul. wtr. 1 3/4 hrs. Squeeze (3) & (4) See attached for detailed procedure. Depth Cleaned Out 9150

Name of Company Mac Jones		Address Box 1516, Midland, Texas	
Lease State	Well No. 1	Unit Letter H	Range 35N
Date 4-10-63	Well Vacuum Abo	County Lea	
THIS IS A REPORT OF: (Check appropriate block)			
☐ Beginning Drilling Operations		☐ Casing Test and Cement Job	
☐ Plugging		☒ Remedial Work	
Squeezing perforations			
Detailed account of work done, nature and quantity of materials used, and results obtained: Perforations @ 6663-64, 6473-74: Set retrievable plug at 6900, dump 2 ex sand. Set packer at 6522. Squeeze first stage, 100 ex reg. plus 0.4% retarder, second stage, 100 ex. reg. plus 10# gilsonite per sack, third stage, 200 ex reg. plus 4% gel plus 10# gilsonite per sack. Squeeze w/4000 psi. Drill out and pressure test to 1625 psi, no pressure loss 30 min. Perforations 6957-59: reset plug at 7909, dump two ex sand, set packer 6789. Pumped into formation @2800 psi, 1 1/2 BPM, Squeeze w/50 ex reg. plus 0.4% retarder @ 4000 psi. Reversed out 7 bbls. Drilled out and pressure tested all perforations @ 1750 psi, no pressure loss 30 min.			
NOTE: Verbal approval for above work was obtained from Mr. Eric Engbrecht of the OCC prior to commencement of work.			
Witnessed by C. C. C. C.		Position Drilling Supt.	Company Mac Jones
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
D.F. Elev.	T.D.	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	(Oil) String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCF/D
Before Workover			
After Workover			
OIL CONSERVATION COMMISSION			
I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by	Name	Position	Company
Date			

#35 Rice Engineering Corp.
Vacuum SWD "H"
SWD-109 & R-3239 SWD

35-17-35
Unit H

3502	ORIGIN
------	--------

MAC JONES

STATE

2-13-61

Well No. 1

County

Range

35E

Section

35

THIS IS A REPORT OF: (Check appropriate block)

Beginning Drilling Operations

Plugging

Remedial Work

Other (Explain):

Ren 108 joints 8 5/8" OD 32# J-5 casing (3489 04Yt.), set @ 3502, cemented with 400 sz 50-50 pozmix w/6% Gal & 200 sz reg. neat w/2% cal. chloride. Pressured up w/1000# after 18 hrs. - no pressure drop.

Signature of C. S. Cook

Position

Drilling Supt.

Company

Mac Jones

Original Well Data

Fill in below for remedial work reports only

DF Elev.

T.D.

Producing Interval

Completion Date

Oil String Depth

Tubing Depth

Oil String Diameter

Producing Formation(s)

RESULTS OF WORKOVER

Test

Date of Test

Oil Production

Gas Production

Water Production

Before Workover

After Workover

Oil Production

Gas Production

Water Production

Gas Well Potential

MCFPD

Oil Conservation Commission

Approved by

Signature

Title

Drilling Superintendent

Company

Mac Jones

Date

Signature

Title

Drilling Superintendent

THIS IS A REPORT OF: (Check appropriate block)

Beginning Drilling Operations

Plugging

Remedial Work

Other (Explain):

Ren 108 joints 8 5/8" OD 32# J-5 casing (3489 04Yt.), set @ 3502, cemented with 400 sz 50-50 pozmix w/6% Gal & 200 sz reg. neat w/2% cal. chloride. Pressured up w/1000# after 18 hrs. - no pressure drop.

Signature of C. S. Cook

Position

Drilling Supt.

Company

Mac Jones

Original Well Data

Fill in below for remedial work reports only

DF Elev.

T.D.

Producing Interval

Completion Date

Tubing Depth

Oil String Diameter

Producing Formation(s)

RESULTS OF WORKOVER

Test

Date of Test

Oil Production

Gas Production

Water Production

Gas Well Potential

MCFPD

Before Workover

After Workover

Oil Production

Gas Production

Water Production

Gas Well Potential

MCFPD

Oil Conservation Commission

Approved by

Signature

Title

Drilling Superintendent

Company

Mac Jones

Date

Signature

Title

Drilling Superintendent

Company

Mac Jones

Date

Signature

#35 Rice Engineering Corp. 35-17-35
Vacuum SWD "H"
SWD-109 & R-3239 SWD Unit H

(Submit to appropriate District Office or Post Office at 11th St.)

Name of Company M C JONES		Address P. O. Box 1516, Midland, Texas	
Lease STATE	Well No. 1	Unit Letter A	Section 35
Date Work Performed 11/10/63	Pool Vacuum Abo	County 175	Range 35E
THIS IS A REPORT OF: (Check appropriate block) ☒ Beginning Drilling Operations ☐ Plugging ☐ Remedial Work ☐ Other (Explain)			
Detailed account of work done, nature and quantity of materials used, etc., as follows: Spu1 11/10/63 Ran 10 joints 1 3/8" 48# H-40 National Seamless casing; total length 304.75'; set at 320.75'. Cemented with 325 sacks regular plus 1/2 H-5 by Halliburton. Plug down 11:15 PM 11/10/63. Casing held 600 psi without pressure loss after 8 hours.			
Witnessed by C. S. Cook		Position Drilling Superintendent	
Company Mac Jones			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
Oil Elev.	T.D.	P.B.D.	Completion Date
Tubing Diameter	Tubing Depth	Casing Diameter	Casing Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formations			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
I hereby certify that the information given above is true and complete to the best of my knowledge.			
OIL CONSERVATION COMMISSION		Name Mac Jones	
Approved by		Position Drilling Superintendent	
Title		Company Mac Jones	
Date			

#35 Rice Engineering Corp. 35-17-35
 Vacuum SWD "H"
 SWD-109 & R-3239 SWD Unit H

County	Section	Township	Range	County
II	35	T-17-S	R-35-E	Los
Actual Footage Location of Well:				
2310	North	line and	990	feet from the East
3899	Producing Formation	Pool	Vacuum Abo	Dedicated Acreage:
Acres				
1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☐ NO ☒ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-20 (e) NRS (A) 1035 (comp.) 2. If the answer to question one is "no," have the interests of all the owners been consolidated by communication agreement or otherwise? YES ☐ NO ☒ If answer is "yes," Type of Consolidation 3. If the answer to question two is "no," list all the owners and their respective interests below:				
Owner	Land Description			
Mac Jones	SE/4 NE/4 35-17S-35E to 9300'.			
Texas Pacific Coal & Oil Co.				
CERTIFICATION I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief. Name <u>Mac Jones</u> Position <u>Mac Jones</u> Company Date <u>February 6, 1963</u> I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed <u>February 4, 1963</u> Registered Professional Engineer and/or Land Surveyor <u>Danaher</u> Certificate No. <u>542</u>				
SECTION B R-35-E 2310 9300' 178 0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900				

#35 Rice Engineering Corp.
Vacuum SWD "H"
SWD-109 & R-3239 SWD

35-17-35
Unit H

DST #1 - Lower 34 in. From 6520' to 6631', 1 Hr 18 Min Test, Recovered 5 Gal Drilling Mud with Slight Gas Odor & Trace of Oil, No Shows of Formation Water,

DST #2 - From 6681' to 6840', 2 Hr Test, Recovered 511' or 7.27 Bbls of 20% Oil, 60% Water, 20% Gas Out Drilling Mud, 558' or 4.75 Bbls 40% Gas Out Salty Sulphur Water, 651' or 9.25 Bbls Salty Sulphur Water.

DST #3 - From 8470' to 8590' - 1 Hr 3 Min Test, Recovered 20' Drilling Mud, No Shows Oil, Gas or Formation Water.

DST #4 - 8880' to 8915' - 3 Hr 25 Min Test, Flowed 16.56 Bbls Oil, No Water in 1-1/2 Hrs, Gas Vol Last Hr 502,200 CFID, GOR 1260, Gravity 38.9 Corr. Reversed out 27.60 Bbls Oil, No Water, IF 210#, FF 1125#, 1-1/2 Hr BU 3395#.

DST #5 - From 8954' to 8987', 2 Hr Test, Reversed out 15.18 Bbls Oil, No Water IF 128#, FF 528#, 1-1/2 Hr BU 2384#.

DST #6 - From 8986' to 9075' - 2 Hr Test, Recovered 100' Oil & Gas Out Drilling Mud, 934' or 13.24 Bbls Salt Water, IF 115#, FF 628#, 1-1/2 Hr BU 2070#.

DEVIATION SURVEYS	
490'	1/2 Deg.
1015'	3/4
2205'	1/2
2700'	3/4
3195'	1
3810'	1
4280'	1-3/4
4850'	3/4
5240'	1-1/2
5915'	1
6318'	1-3/4
6760'	1-1/2
7465'	2
7970'	2
8500'	3
8770'	4
9045'	4

5-35 Perf / 4804-5212

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

Chowen EXHIBIT NO. 5

CASE NO. 8876

pened
lation
allow
owner,
dition,
ultiply

Southwestern, Inc. 36-17-35
State
Adriatic Hess Corp. Unit L

MISCELLANEOUS REPORTS ON WELLS

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

Name of Company Ameradr Petroleum Corporation		Address Box 636, Lovington, New Mexico	
Lease State V #01	Well No. 1	Unit Letter L	Section Township Range 36 T-17-S R-35-E
Date Work Performed 1-15, 16, 1961	Pool Wildcat	County Lea	

THIS IS A REPORT OF: (Check appropriate block)

☒ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Other (Explain):

☐ Plugging ☐ Remedial Work

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

Finished Drilling 7-7/8" Hole to 9075' @ 10:45 AM 1-12-61,

Ran 113 Jts 5-1/2" Casing Liner Set @ 9072' Cemented with 8-5/8" x 5-1/2" Brown Type #01 Liner Hanger Set @ 4510', Cemented Bottom of Liner with 460 Sacks 50% Pozmix & 50% Regular Cement mixed 45 Gal, & 100 Sacks Latex Cement for Total of 560 Sacks Cement, Pumped Plug to 8984' @ 4:15 AM 1-15-61, Max PP 2000# Redprocoated Csg for 30 Min before Cementing Used 29 Weatherford Scratchers spaced 10' Apart, 12 Centralizers Spaced 40' Apart.

Cemented top of Liner @ 4510' with 200 Sacks Reg Cement, Max PP 1700#, Held 1500# on Csg, HOWCO RTTS Squeeze Tool Set @ 4410', Left 50' Cement inside of 8-5/8" Csg. Cemented @ 10:00 AM 1-15-61, WOC, Test 8-5/8" Csg with 1500# before & After Drlg Cement, Held OK, top of Liner Tested, 5-1/2" Cag Liner & 8984' with 1500# before Drilling Cement Held OK, Tested Liner & 8-5/8" Csg after Drlg Cement @ 9057' with 1500# Held OK.

Resume Completion Operations

Witnessed by	Position	Company
--------------	----------	---------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA			
D.F. Elev.	T.D.	P.B.T.D.	Producing Interval
			Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth

Perforated Interval(s)

Open Hole Interval

Producing Formation(s)

RESULTS OF WORKOVER					
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl
Before Workover					
After Workover					
					Gas Well Potential MCFPD

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

OIL CONSERVATION COMMISSION	
Approved by	Name <i>P. J. [Signature]</i>
Title	Position <i>Foreman</i>
Date	Company <i>Ameradr Petroleum Corporation</i>

Western, Inc. 36-17-35
Ameradr Press Corp. Unit L

MISCELLANEOUS REPORTS ON WELLS

(Submit in appropriate District Office or per Communication No. 1106)

Name of Company	Amerada Petroleum Corporation			Address		
Well No.	1	Unit Letter	L	Box	636	Lovington, New Mexico
Date Work Performed	12-7-60	Pool	Wildcat	Location	36	T-17-South
				Country		D-35-East

THIS IS A REPORT OF: ☒ Casing Test and Cement Job ☐ Other (Explain):

☐ Beginning Drilling Operations ☐ Remedial Work

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

Finished Drilling 118 Hole to 4583' Lime, Ran 110 Jts 8-5/8" OD 32# & 24# New & SH Casing

Set @ 4583' Cemented with 1400 Sacks Cement @ 50% Regular Cement & 50% Pozmix Cement Mixed

2% Cal, & 100 Sacks Regular Cement for Total of 1500 Sacks Cement, Pumped Plug to 4494' with

900# PF, Rotated Casing until cement equalized, Plug Down @ 7:10 AM 12-6-60 Used 3 Centralizers

& 50' Scratchers, WOC, Tested Casing with 1200# Before & After Drilling Cement, Held OK

Started Drilling 7-7/8" Hole @ 4583' @ 6:15 PM 12-7-60

Top Cement On Outside of 8-5/8" Casing @ 2348', Actual Fill 2235', % Fill 32.2%, Calculated

Fill 6948'

Witnessed by	Position	Company
--------------	----------	---------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA			
D F Elev.	T D	P DTD	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			

RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
		Water Production BPD	GOR Cubic feet/Bbl
			Gas Well Potential MCFPD

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

OIL CONSERVATION COMMISSION	
Approved by	Name
Title	Position
Date	Company
	Amerada Petroleum Corporation

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office or per Commission Rule 110d)

Name of Company Amerada Petroleum Corporation		Address Box 636, Lorington, New Mexico	
Well No. 1	Unit Letter L	Section 36	Township R-35-East
Date Work Performed 11-24-60		County Lea	
THIS IS A REPORT OF: (check appropriate block)			
☒ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Other (Explain): ☐ Plugging ☐ Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained: Spudded 17-1/4" Hole @ 1:30 PM 11-23-60, Finished hole @ 305' Rod Bed, Ran 7 Jts 13-3/8" 36# Arco SW SJ Casing Set @ 296' & Cemented with 300 Sacks Reg Cement, Cement Circulated Pumped plug to 266' with 150# Max PP. Plug Down @ 3:45 AM 11-24-60, WOC, Tested Casing with 600# PP Before & After Drilling Cement, Held OK, Started Drilling 11" Hole @ 305' @ 11:15 PM 11-24-60			
Witnessed by		Position	Company
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
D F Elev.	T D	P B T D	Producing Interval
			Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test Date	Oil Production BPD	Gas Production MCFPD	Water Production BPD
Before Workover			
After Workover			
			Gas Well Potential MCFPD
OIL CONSERVATION COMMISSION			
Approved by		Name	
Signature		Signature	
Title		Position	
		Foreman	
		Company	
		Amerada Petroleum Corporation	

med
tion
low
met
tion
tily

36-17-35

Unit 1

R-35-East

T-17-South

Section

Unit Letter

L

Well No.

1

State V NC

Box 636

Lorington

New Mexico

Address

Box 636

Lorington

New Mexico

Address

Box 636

Lorington

New Mexico

Western, Inc. 36-17-35
 Unit L

N
 19
 1104.
 killed or deepened
 of the deviation
 111.
 impletely for allow-
 changes of owner,
 change of condition,
 ich pool in multiply

AMERADA PETROLEUM CORP.		STATE VC		VC	
Unit L	Section 36	Range 17 SOUTH	County 35 EAST	LEA	
Actual Surface Location of Well		2050.7 feet from the SOUTH line and 589.3 feet from the WEST line			
Ground Level Elev.	Producing Formation	Pool	Undesignated		
Abo		40 Acres			

1. Is the Operation the only owner to the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-5-28 (a) NMSA 1955 Comp.)

2. If the answer to question one is "no," have the interests of all the owners here consolidated by communication agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation

3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
SECTION B	
589.3-0 2050.7	

SECTION A

CERTIFICATION

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

Name John W. West
 Position Foreman
 Company Amerada Petroleum Corp.
 Date November 17, 1960

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Survey November 17, 1960
 Registered Professional Engineer
 and Licensed Surveyor, JOHN W. WEST
 J. W. West

0 570 640 990 1320 1650 1980 2340 2640 2900 3200 3500 3800 4100 4400 4700 5000

SUNDY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR WELLS THAT ARE BEING PLUGGED OR ABANDONED. USE FORM 1000-1 (REV. 1-67) FOR SUCH PURPOSES.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER: <u>Salt Water Disposal Well</u>	7. Unit Agreement Name <u>Vacuum S.W.D.</u>
2. Name of Operator <u>Rice Engineering & Operating, Inc.</u>	8. Field or Lease Name <u>Vacuum S.W.D.</u>
3. Address of Operator <u>P.O. Box 1142, Hobbs, New Mexico 88240</u>	9. Well No. <u>G - 35</u>
4. Location of Well UNIT LETTER <u>G</u> LINE AND 1986 FEET FROM THE <u>North</u> LINE SECTION <u>35</u> TOWNSHIP <u>17S</u> RANGE <u>35E</u> MAP 15. Elevation (Show whether DF, RT, GR, etc.) <u>3410' DF</u>	10. Field and Pool, or Wildcat <u>Vac Edg</u>
16. <u>Lea</u>	12. County

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK COMMENCE DRILLING OPER. ☐	ALTERING CASING PLUS AND ABANDONMENT ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
PULL OR ALTER CASING ☐	OTHER ☐	OTHER: <u>Conversion to SWD Well</u>	☒

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 103.

1. Set CIBP @ 8596' and set CIBP @ 6000' w/1 sac cement on top.
2. Perf 5 1/2" CSG w/4 jets/ft. as follows:
5713' - 5700'
5323' - 5303'
5255' - 5240'
5178' - 5168'
5132' - 5052'
5030' - 4973'
3. Acidized perfs w/20,000 gallons of 15% reg. acid.
4. Took maximum gravity injection test down 5 1/2" CSG @ rate of 402 BPH.
5. Work completed 2-8-67.

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

SIGNED L. B. Goodheart TITLE Division Manager DATE 3-2-67

APPROVED BY _____ TITLE _____ DATE _____

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signed L. B. Goodheart
Division Manager
January 11, 1967
(Date)

Working Pressure (Shut-In)	Choke Size
OIL CONSERVATION COMMISSION	
APPROVED	19
BY	
TITLE	

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

RICE ENGR SB

able will be active 1-1-61 to 1-1-62. A M on date of completion. The completion date shall be that date in the case of an oil well. For gas and water wells, the completion date shall be the date of completion or recompleting. The completion date shall be reported on 15025 plus at 60° Fahrenheit credited into the stock tanks. Gas must be reported on 15025 plus at 60° Fahrenheit.

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:
Phillips Petroleum Company Santa Fe Well No. 58 in SW 1/4 NE 1/4
(Company or Operator) (Lease)
County, Date Spudded 4-23-61 Date Drilling Completed 6-7-61
T 173 R 35E NMFM, Unesignated Pool
Unit Lease
Hobbs, New Mexico July 28, 1961
(Place) (Date)

Place indicate location:
Elevation 3899' (FL) Total Depth 9055' HWD
Top Oil/Gas Pay 8740' Name of Prod. Form. Abo

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

PRODUCING INTERVAL -
Perforations 8765-8789' and 8958-9004'
Open Hole 9016-9055' Depth 8707'
Casing Shoe
OIL WELL TEST - None prior to acid treatment
Natural Prod. Test: 161 hrs. oil, 0 hrs. water in 24 hrs. 0 min. Size 24/64"
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 161 hrs. oil, 0 hrs. water in 24 hrs. 0 min. Size 24/64"
GAS WELL TEST -

Natural Prod. Test: 161 hrs. oil, 0 hrs. water in 24 hrs. 0 min. Size 24/64"
Method of Testing (Spout, back pressure, etc.):
Test After Acid or Fracture Treatment:
Choke Size: 1/2" Test of Test:
Acid or Fracture Treatment (volume amounts of materials used, such as acid, water, oil, and sand):
* (See remarks)
Date First New Oil Run to Tank: July 19, 1961
Oil Transported: The Permian Corp.
Gas Transported: Phillips Petroleum Company

Sur	Feet	Size
13-3/8	320'	350
8-5/8	3262'	400
5-1/2	9016'	745

Remarks: * Perfs. 8958-9004' acidized with 1000 gallons 15% regular acid
Perfs. 8765-8789' acidized with 1000 gallons 15% acid & dolofraced with 20,000 gals.
Open Hole 9016-9055' acidized with 1500 gallons regular 15% acid E. Vacuumado

I hereby certify that the information given above is true and complete to the best of my knowledge.
Approved: By: *McGowan* District Chief Clerk
(Signature)
Phillips Petroleum Company
(Company or Operator)

Oil Conservation Commission
Title: District Chief Clerk
Send Communications regarding well to:
Name: Phillips Petroleum Company
P.O. Box 2105
Address: Hobbs, New Mexico

RECORD OF PRODUCTION AND STIMULATION

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

Acidized perfs. 8765-8789' with 1000 gals. regular acid and dolofraced with 10,000 gals.
Acidized perfs. 8958-9004' with 1500 gallons regular.
Acidized open hole 9016-9055' with 1500 gallons regular acid.

Result of Production Stimulation: Flowed 24 hours, 161 barrels oil, no water.

Depth Cleaned Out:

WELL RECORD

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. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Phillips Petroleum Company

Santa Fe

(Company or Operator)

Well No. 58, in SW 1/4 of Sec. 35, T. 17S, R. 35-E, NMMP. NE 1/4 of Sec. 35, T. 17S, R. 35-E, NMMP. Country, Lea

Well is 1986, feet from north line and 1982 feet from east line

of Section 35, If State Land the Oil and Gas Lease No. is B-2131

Drilling Commenced 4-23-61, 19, Drilling was Completed 6-7-61

Name of Drilling Contractor SH&A Drilling Company

Address Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head 3899' (Gr.)

Not Confidential

The information given is to be kept confidential until

OIL SANDS OR ZONES

No. 1, from 8740 to 9055' (TD) No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to 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 RIG	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48	New	304'	Hallib.			Surface
8-5/8	24, 32	New	3250'	Rector			Intermediate
5-1/2	14-15-17	New	9002'	Hallib.		8765-8789'	Production
						8958-9004'	

MUDGING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	320'	350	Pump-plug		
12-1/4	8-5/8	3262'	400	"		
7-7/8	5-1/2	9016'	745	" w/ stage collar		

RECORD OF PRODUCTION AND STIMULATION

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

Acid set perfs. 8765-8789' with 1000 gals. regular acid and dolofrac with 10,000 gals.

Acidized perfs. 8958-9004' with 1500 gallons regular.

Acidized open hole 9016-9055' with 1500 gallons regular acid.

Result of Production Stimulation Flowed 24 hours, 161 barrels oil, no water.

Depth Cleaned Out

#35 Rice Engineering Corp.
Vacuum SWD "G"
R-3079 SWD

35-17-35
Unit 6

Name of Company Phillips Petroleum Company		Address Box 2105, Hobbs, New Mexico	
Lease Santa Fe	Well No. 58	Unit Identifier Q	Section 35
Date Work Performed 6-9/10/11, 1961	Pool Undesignated	County Lea	Range 35E

THIS IS A REPORT OF: (Check appropriate block)
☒ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Other (Explain):
☐ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.
Cemented 5-1/2" (14,15,17#) casing at 9016'. Cemented first stage with 780 cu. ft. 40% DD(175 ex. regular, 132 ex. dd) followed by 220 sacks sloset neat. Cemented 2nd stage thru DV tool with 1250 cu. ft. 40% DD (270 ex. reg SR 208 ex DD) followed by 100 sacks neat. Cement circulated. WOC 19 hours. Tested casing with 1000# for 30 minutes, no pressure loss.

Witnessed by D. M. Barton Position **Lease Foreman** Company **Phillips Petroleum Company**

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA			
DF Elev.	T.D.	P.B.T.D.	Producing Interval
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			

RESULTS OF WORKOVER				
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD
Before Workover				
After Workover				
				Gas Well Potential MCFPD

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

OIL CONSERVATION COMMISSION

Approved by *Leslie J. C. Longenecker* Name *W. M. Barton*
 Title District Chief Clerk Position
 Date 6-15-61 Company Phillips Petroleum Company

#35 Rice Engineering Corp.
 Vacuum SWD "G"
 R-3079 SWD

35-17-35
 Unit G

Name of Company Phillips Petroleum Company		Address P.O. Box 2105, Hobbs, New Mexico 4	
Lease Santa Fe	Well No. 58	Section 35	Township 14-S
Date Work Performed 6/4-5/61	Pool Undesignated	County Lea	
THIS IS A REPORT OF: (Check appropriate block) ☒ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain): ☐ Plugging ☐ Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained. Halliburton cemented 8-5/8", 24 & 32#, casing at 3262' with 400 sacks regular cement. Pumped plug to 3230' at 4:30 PM 5-4-61. WOC 15 hrs. Ran temperature survey - top of cement outside casing at 2000'. Tested casing with 1500# pressure for 30 minutes - no pressure loss.			
Witnessed by D. M. Barton		Position Lease Foreman	Company Phillips Petroleum Company
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
D.F. Elev.	T.D.	P.B.T.D.	Producing Interval
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
OIL CONSERVATION COMMISSION		Water Production BPD	GOR Cubic feet/Bbl
I hereby certify that the information given above is true and complete to the best of my knowledge.		Gas Well Potential MCFPD	
Approved by <i>Leslie A. Clement</i>	Name <i>W. J. Johnston</i>		
Title <i>Chief Clerk</i>	Position District Chief Clerk		
Date	Company Phillips Petroleum Company		5-12-61

#35 Rice Engineering Corp.
Vacuum SWD "G"
R-3079 SWD

35-17-35
Unit G

Name of Company Phillips Petroleum Company		Address Box 2105, Hobbs, New Mexico	
Lease Santa Fe	Well No. #58	Unit Letter G	Range 35-E
Date Work Performed 4-23/5-1, 1961	Pool Undesignated	Township 17-S	County Lea
THIS IS A REPORT OF: (Check appropriate block)			
☒ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):			
☐ Plugging ☐ Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained. SH&K Drilling Company spudded at 11:00 P.M. 4-23-61. Cemented 13-3/8" (48 & 32#) casing at 320' with 350 sacks regular with 100# tuffing in first 200 sacks. Plug to 290'. Cement circulated. WOC 19 hours. Tested casing with 1500# for 30 minutes, no pressure loss.			
Witnessed by D. M. Barton		Position Lessee Foreman	Company Phillips Petroleum Company
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
D.F. Elev.	T.D.	P.B.T.D.	Producing Interval Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
OIL CONSERVATION COMMISSION		Water Production BPD	GOR Cubic feet/Bbl
I hereby certify that the information given above is true and complete to the best of my knowledge.		Gas Well Potential MCFPD	
Approved by <i>[Signature]</i>	Name H. H. Hester		
Title	Position District Chief Clerk		
Date	Company Phillips Petroleum Company		

#35 Rice Engineering Corp.
Vacuum SWD "G"
R-3079 SWD

35-17-35
Unit G

5-2-61

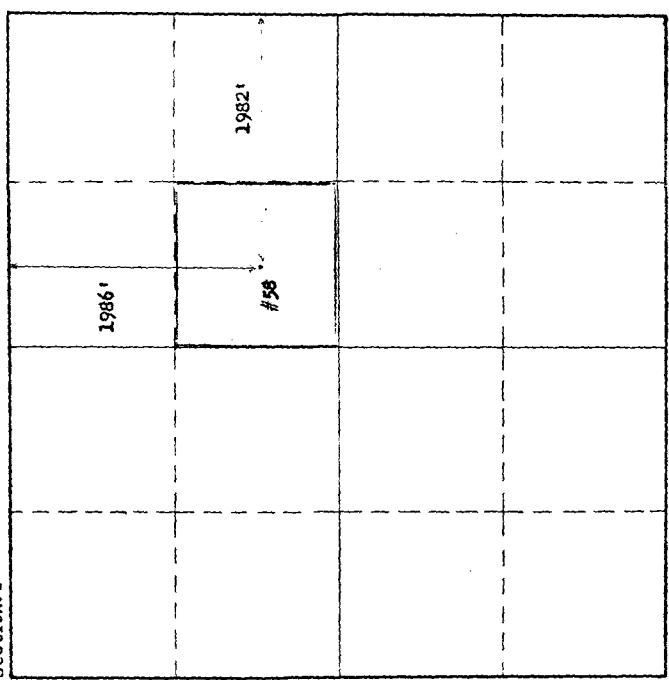
Section A.

Operator Phillips Petroleum Company Lease Santa Fe
Well No. 58 Unit Left 1 G Section 35 Township 17-S Range 35-E
Located 1986 Feet from North Line, 1982 Cont. From East
County Lea (i. e. Elevation Later) Dedicated Acreage 40
Name of Producing Formation Abq Reef Pool Undesignated

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
Yes ☒ No ☐
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Phillips Petroleum Company
(Operator)

Richard T. Hobbs
(Representative)

P.O. Box 2105, Hobbs, N.M.
Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed April 12, 1961

M. E. Shaw
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 679
(See instructions for completing this form on the reverse side)

NOTE: G-35 to BJ#1 → 1980 ft

BJ#1 to Rice#1 → 660 ft

BEFORE EXAMINER'S SIGNATURE
OIL CONSERVATION DIVISION

EXHIBIT NO. 6
CASE NO. 8876

#1 Cities Service Oil & Gas 35-17-35
State BJ Corp.
Unit I

Name of Company Cities Service Petroleum Company		Address Box 97 - Hobbs, New Mexico	
Case State BJ	W-J No. 1	Section 17-S	Range 35-E
Date Work Performed 3-31-61	Well Undesignated	County Lea	
THIS IS A REPORT OF: (Check appropriate block)			
☒ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Other (Explain):			
☐ Plugging ☐ Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained:			
This well was drilled to TD 9003' in Dolomite, ran 267.2 lbs (9006.93') new and used 5 1/2" OD 15.5# & 17# csq. set @ 9009' w/D.V. tool set @ 7004.78'. Cemented w/350 sax 50-50 posmix plus 200 sax neat, 1st stage circ. 20 sax. Waited on cement 6 hrs. Ran 230 sax neat cement 2nd stage P.D. 5:50 AM 3-31-61. Cement allowed to set 48 hrs. before testing for shut off. Tested casing w/1000# pressure during 30 minute interval w/no drop in pressure, plug not drilled. Ran Temp. survey top of cement 5085'. Cement drilled out to PSTD 8975'. Completion continuing.			
Witnessed by C. D. Lindsey		Position Engineer	
Company Cities Service Petroleum Company			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
Driller T.D.	Producing Interval PSTD	Completion Date	
Tubing Diameter	Oil String Diameter	Oil String Depth	
Perforated Interval(s)			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test Before Workover	Date of Test	Oil Production BPD	Gas Production MCF/D
After Workover			
OIL CONSERVATION COMMISSION			
I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by <i>[Signature]</i>	Name [Name]	Position Clerk	Company Cities Service Petroleum Company
Title			
Date			

RECORD OF PRODUCTION AND STIMULATION

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

Acidized w/500 gal 894' - 8914'

Acidized w/2000 gal 894' - 8914'

Result of Production Stimulation: Scrabbed 35 bbls. water to pits then flowed 52 bbls. oil, 13.73 bbls. water load, 12.1 hrs. Scrabbed & flowed 127 bbls. 37° gr. oil, 82 bbls. water, 16 hrs. GOR 565, FTP 50H. Depth Cleaned Out PSTD 8975'

WELL RECORD

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 QUINTuplicate. If State Land submit 6 Copies

AREA 40 ACRES
LOCATE WELL CORRECTLY

City of Service Petroleum Company State BJ
(Company or Operator) (Land)
Well No. 1 in NE 1/4 of Sec. 35, T. 17-S, R. 35-E, NMPM. County.
Underligned Pool, Lea
Well is 990' feet from East 2310' feet from South line
of Section 35. If State Land the Oil and Gas Lease No. is B-1492
Drilling Commenced 11:00 PM 2-17, 19 61. Drilling was Completed 10:00 AM 4-5-19 61
Name of Drilling Contractor Cactus Drilling Corporation
Address Box 344 - San Angelo, Texas
Elevation above sea level at Top of Tubing Head 3902' OF 3897' 6". The information given is to be kept confidential until _____, 19____.

OIL BANDS OR ZONES

No. 1, from 8445' to 8975' No. 4, from - to -
No. 2, from - to - No. 5, from - to -
No. 3, from - to - No. 6, from - to -

IMPORTANT WATER BANDS

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	CITY AND PULLED FROM	PERFORATIONS	FINISH
13 3/8" 00	48#	New	308.36'	Rector	-	-	Surface
8 5/8" 00	32 & 24#	New	396.7'	Rector	-	-	Intermediate
5 1/2" 00	15.5 & 17#	New & Used	9006.9'	Rector	-	8938'-44', 8929'-36'	Production
						8914'-22' (84 holes)	

MUDGING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WATER SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/2"	13 3/8" 00	325.76'	350	Plug	-	-
11 1/2"	8 5/8" 00	3512.10'	1485	Plug	-	-
7 7/8"	5 1/2" 00	9002'	800	Plug	-	-

RECORD OF PRODUCTION AND STIMULATION

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

Acidized w/500 gal 8944'-8914'
Acidized w/2000 gal 8914' - 8914'

Result of Production Stimulation: Stabbed 35 bbls water to pits then flowed 52 bbls oil, 13.79 bbls water load, 121 hrs. Stabbed & flowed 127 bbls 37° gr. oil, 82 bbls water, 16 hrs.
GOR 545, FTP 50#.

Depth Cleared Out 8910-8975'

#1 Cities Service Oil & Gas 35-17-35
State BJ Corp.
Unit I

This form shall be used for all wells in which Form 7 (1961) is required. It is to be submitted in duplicate to the State Oil & Gas Commission, Oklahoma City, Oklahoma, by the owner of the well, on or before the 15th day of the month of completion or recompletion. The completion date shall be that date in the case of an oil well when the well is driven into the rock tanks. Gas must be reported on 15,025 psi at 60° Fahrenheit.

County, Date Spudded 2-17-61 Date Drilling Completed 4-5-61
Elevation 3903' 0" - 3897' 6" Total Depth 9009' 1" 8975'
Top Oil/Water 8445' Name of Well, Form, Abo
Pool

City of Service Petroleum Company State BJ Well No. 1 in NE 1/4 SE 1/4
Company or Operator

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

Section 35 T 17-S R 35-E NMPM Undesignated

MISCELLANEOUS REPORTS ON WELLS

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

Name of Company Cities Service Petroleum Company		Address Box 97 - Hobbs, New Mexico	
State NJ	Well No. 1	Section 35	Township 17-S
Date Work Performed 2-25-61, 2-27-61	Well	County Lee County, New Mexico	Water 35-E
THIS IS A REPORT OF: (Check appropriate block) ☐ Beginning Drilling Operations ☒ Casing Test and Cement Job ☐ Plugging ☐ Remedial Work			
Undesignated Position: Assistant Production Foreman Company: Cities Service Petroleum Company			
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
Original Well Data	Producing Interval	Completion Date	
D.F. Elev.	P.B.T.D.	Oil String Depth	
Tubing Diameter	Tubing Depth	Oil String Diameter	
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production B/D	Gas Production MCF/D
Before Workover			
After Workover			
Water Production B/D		GOR (Cubic Feet/Barrel)	Gas Well Potential MCF/D
I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by		Name	
[Signature]		Fred Lawson	
Title		Position	
		District Clerk	
Date		Company	
		Cities Service Petroleum Company	

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

This well drilled to 3513' in dolomite, ran 110.3 lbs. 8 5/8" OD 32# & 24# J-55 8 rd, thd. 3496.7' set @ 3512.10 cemented w/1150 sac 50-50 posmix w/6% gel- plus 335 sac neat on bottom plug down 8:45 PM 2-25-61, cement circulated. Cement allowed to set 48 hours, before testing for shut-off. Tested casing w/1000# for 30 minutes before drilling plug. Tested casing w/1350# for 30 minutes after drilling plug. Drilling resumed.

#1 Cities Service Oil & Gas 35-17-35
State BJ Corp.
Unit I

#1 Cities Service Oil & Gas 35-17-35
State BJ Corp.
Unit I

Name of Company Cities Service Petroleum Company		Address Box 97 - Hobbs, New Mexico	
Lease State BJ	Well No. 1	Section 35	Range 17-S
Date Work Performed 2-17-61; 2-19-61; 2-20-61		County Lea	State 35-E
THIS IS A REPORT OF: (Check appropriate block) ☒ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Remedial Work ☐ Plugging			
Detailed account of work done, nature and quantity of materials used, and results obtained: This well was spudded at 11:00 PM February 17, 1961. It was drilled to 330' in Red Bed. Ran 10 joints 13 3/8" OD 48# H-40 SS Casing (308.36) set at 325.76. Cemented with 325 sacks neat cement. Plug was down at 2:45 PM 2-19-61. Dumped 1 1/2 yards pea gravel outside casing at 35'. Cemented outside casing with 35 sacks neat cement. Cement was allowed to set 24 hours prior to testing for shut-off. Tested casing with 1000 pounds for 30 minutes before drilling plug. Tested casing with 1100 pounds for 30 minutes after drilling plug. Results were satisfactory. Drilling resumed.			
Witnessed by C. G. Taylor		Position Assistant	
Company Cities Service Petroleum Company		Production Foreman Cities Service Petroleum Company	
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY			
ORIGINAL WELL DATA			
Oil Elev.	T.D.	P.T.D.	Producing Interval
			Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth
Perforated Interval(s)			
Open Hole Interval			
Producing Formation(s)			
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production BPD
Before Workover			
After Workover			
		Water Production BPD	Gas Well Potential MCFPD
OIL CONSERVATION COMMISSION			
I hereby certify that the information given above is true and complete to the best of my knowledge.			
Approved by <i>[Signature]</i>		Name District Superintendent	
Title District Superintendent		Position	
Date		Company Cities Service Petroleum Company	

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission of the State of New Mexico, Santa Fe, New Mexico, if changes in the proposed plan are considered advisable, a copy of this notice, showing the proposed changes, must be filed in the District Office of the Oil Conservation Commission, Santa Fe, New Mexico, within ten days of the date of the filing of this notice. If State Land subject to Easement Attach Form D-124 in triplicate to District Office of Santa Fe, New Mexico, Hobbs, New Mexico.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Consent:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as

Cities Service Petroleum Company

State BJ
located 2310 feet from the South line and 990 feet from the East line and 35-17-35-E, NMPM, Undesignated Pool-1482 County

(GIVE LOCATION FROM SECTION LINE)

If State Land the Oil and Gas Lease is No.

If patented land the owner is.

Address.

We propose to drill well with drilling equipment as follows:

The status of plugging bond is Approved

Drilling Contractor Tactus Drilling Corporation

Box 344

San Angelo, Texas

We intend to complete this well in the 3050

formation at an approximate depth of 3050 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Backs Cement
17 1/4"	13 3/8"	48#	New	330	Circulate
11 1/4"	8 5/8"	24 & 32	New	4700	Circulate
7 7/8"	5 1/2"	15.5 & 17	New	3050	300

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

Approved
Exempt as follows:

2/14/61, 1961

Sincerely yours,

Cities Service Petroleum Company

By: [Signature]

Position: District Superintendent

Name: Geo. M. Geyer

Address: Box 97, Hobbs, New Mexico

OIL CONSERVATION COMMISSION

By: [Signature]

41 Cities Service Oil & Gas 35-17-35
State BJ Corp. Unit I

12/4

#1 Cities Service Oil & Gas 35-17-35
State BJ Corp. Unit I

WELL LOCATION AND ALIENAGE REFERENCE PLAT

100 ACRES, 1/4 SECTION 35, T17N, R10E, S1E, 185 T17N, R10E, S1E

CITIES SERVICE PETROLEUM COMPANY STATE: **STATE BJ**

Section: **35** with: **1/4 S** Page: **35E** LEA: **LEA**

2310 feet from the **SOUTH** line and **990** feet from the **EAST** line. Distance in range: **40** A. 100

Not Available **Abn** **Undesignated**

1. Is the Operator the only owner in the (1) state (2) foreign, entitled on the plat to the "X" mark? **YES** (If "NO", state the reason therefor.)

2. Has the right to drill into and to produce from any and all land so designated the plat been either (a) purchased or (b) leased?

3. If the answer to question one is "YES", have the interests of all the owners been covered (a) by a communication agreement or (b) otherwise? **YES** (If "NO", state the reason therefor.)

4. If the answer to question two is "YES", list all the owners and their respective interests below:

Land Description:

SECTION B

CERTIFICATION

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

Name: **John H. Meyer**
Position: **District Superintendent**
Company: **Cities Service Petroleum Co.**
Date: **February 13, 1961**

I hereby certify that the well to which shown on the plat in SECTION A was drilled from field notes of a well survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date: **2/17/61**
Signature: **John H. Meyer**
Registered Professional Engineer, State of New Mexico, No. 878

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Chaveroo</i>	EXHIBIT NO. _____
	CASE NO. 8761
CASE NO. _____	Order No. R-8163

APPLICATION OF CHAVEROO OPERATING
COMPANY FOR SALT WATER DISPOSAL,
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on November 21, 1985, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 3rd day of March, 1986, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Chaveroo Operating Company, seeks the authority to utilize the Apollo Energy, Inc. State G-36 Well No. 1, located 1980 feet from the South line and 660 feet from the West line (Unit 1) of Section 36, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, to dispose of produced salt water into the Vacuum Grayburg-San Andres Pool, with injection into the perforated interval from approximately 4804 feet to 5212 feet.

(3) The operator of said well should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface either by the proposed injection well or via surrounding injection, production, and/or plugged and abandoned wells.

(4) The following described previously abandoned wells are located within one-half mile of said State G-36 Well No. 1 and may not be plugged in such a manner that will assure that

/

they will not serve as channels for disposed water to migrate from the injection interval to other formations or to the surface:

<u>WELL NAME AND NO.</u>	<u>FOOTAGE LOCATION</u>	<u>SECTION</u>
Phillips Petroleum Co. (Mac Jones) St. Well #2	990' FN & EL (Unit A)	35
Texas Petroleum Oil Co. State "AB" Well #1	1980'FNL-660'FWL (Unit E)	36

Both wells in Township 17 South, Range 36 East, NMPM, Lea County, New Mexico.

(5) The Cities Service Oil and Gas Corporation State "BJ" Well No. 1, located 2310 feet from the South line and 990 feet from the East line (Unit I) of said Section 35, is presently completed in the Vacuum-Abo Reef Pool and is located within one-half mile from the subject injection well.

(6) The evidence presented at the hearing and data on file with the Oil Conservation Division indicates that said State "BJ" Well No. 1 does not have adequate cement across, above, and below the proposed injection interval to assure that injected fluid will remain within said interval.

(7) No disposal of salt water should be permitted into the Vacuum Grayburg-San Andres Pool through said Apollo Energy Inc. State G-36 Well No. 1 until the operator has demonstrated that the wells described in Finding Paragraph No. (4) above have either been re-plugged or have been previously plugged and abandoned in such a manner as to ensure that they do not provide an avenue of escape for waters from the proposed injection zone and in accordance with a program that is satisfactory to the supervisor of the Division's district office at Hobbs; and the operator should also demonstrate that the Vacuum-Abo Reef producing well described in Finding Paragraph No. (5) above either has adequate cement across, above, and below the proposed injection interval or has been re-cemented through such interval all in accordance with a program to be approved by the supervisor of the Division's district office at Hobbs.

(8) Prior to commencing injection operations, the casing in the proposed injection well should be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(9) The injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 4780 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(10) At the request of the applicant the disposal well will be taking water on gravity injection and at no time should said well be injecting water under positive surface pressure.

(11) The operator should give advance notification to the supervisor of the Hobbs district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

(12) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(13) Approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Chaveroo Operating Company, is hereby authorized to utilize the Apollo Energy, Inc. State G-36 Well No. 1, located 1980 feet from the South line and 660 feet from the West line (Unit L) of Section 36, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, to dispose of produced salt water into the Vacuum Grayburg-San Andres Pool, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 4780 feet, with injection into the perforated interval from approximately 4804 feet to 5212 feet;

PROVIDED HOWEVER THAT, the tubing shall be plastic-lined; the casing-tubing annulus shall be filled with an inert fluid; and a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

PROVIDED FURTHER THAT, injection into the proposed injection well shall not commence until the wells described in Finding Paragraph No. (4) of this Order have either been re-plugged or are shown to have been adequately plugged and abandoned in a manner that is satisfactory to the supervisor of

the Division's district office at Hobbs; nor until the Cities Service Oil and Gas Corporation State "BJ" Well No. 1 located 2310 feet from the South line and 990 feet from the East line (Unit I) of Section 35, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, has either been shown to have adequate cement across, above, and below the proposed injection interval or has been re-cemented across, above, and below such injection interval in a manner that is satisfactory to the supervisor of the Division's district office at Hobbs.

(2) The injection well or system shall be limited to gravity injection only.

(3) The operator shall notify the supervisor of the Hobbs district office of the Division in advance of the date and time of the installation of disposal equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

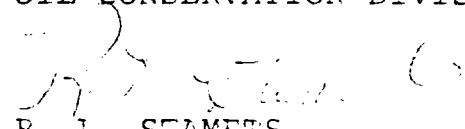
(4) The operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(5) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

(6) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


R. L. STAMETS,
Director

S E A L

RICE Engineering Corporation

122 WEST TAYLOR

TELEPHONE (505) 393-9174

HOBBS, NEW MEXICO 88240

November 12, 1985

State of New Mexico
Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

BEFORE EXAMINER CATANAN	
OIL CONSERVATION DIVISION	
Chavero	10
CASE NO.	8876

Re: Application to Dispose of
Produced Salt Water
Chavero Operating Company
State G-36 Well No. 1
1980' FSI & 660' FWL of
Section 36, T17S, R35E,
NMPM, Lea County, New Mexico

Gentlemen:

As operator of the Vacuum SWD "H" Well No. 35, Rice Engineering Corporation hereby objects to the subject Application to Dispose as presented by Chavero Operating Company.

The Vacuum SWD "H" Well No. 35, located 2310' FNL and 990' FEL of Section 35, T17S, R35E, NMPM, Lea County, New Mexico, disposes of produced waters from the Vacuum Abo, Glorieta, Grayburg-San Andres, Penn and Wolfcamp Pools by gravity injection into the Lower San Andres interval from 5230 feet to 5755 feet.

It is our opinion that pressure injection by Chavero Operating Company into the proposed interval from 4804 feet to 5212 feet could adversely affect our existing disposal well, therefore, Rice Engineering Corporation respectfully requests that the applicant be limited to gravity injection and the maximum rate of 500 barrels of water per day.

Yours very truly,

RICE ENGINEERING CORPORATION

L. B. Goodheart
L. B. Goodheart
Division Manager

LBG/jp

cc: Kellahin and Kellahin
P. O. Box 2265
Santa Fe, N.M. 87504-2265
Attn: W. Thomas Kellahin

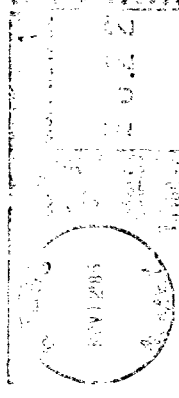
Loy Goodheart
5,000-6,500
18' separate
gravel
7

RICE *Engineering Corporation*

122 WEST TAYLOR

HOBBS, NEW MEXICO 88240

SALE WATER
INDUSTRIAL
SPECIALISTS



Attn: W. Thomas Kellahin

Kellahin & Kellahin

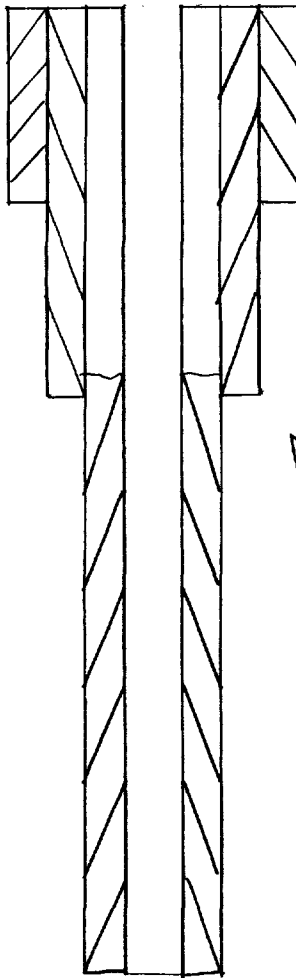
P. O. Box 2265

Santa Fe, N.M. 87504-2265

CITIES SERVICES
PETROLEUM CO.

STATE 13J #1

I 35-175-35E



DRUG 17 1/2 HOLE
13 3/8 SET @ 326 W / 350 SXS CMT CIRCULATED

85/8 SET @ 3512 W / 148 SXS CMT CIRCULATED
R CACULATED TOP CMT @ 3461

PERFORATIONS 8914-8944

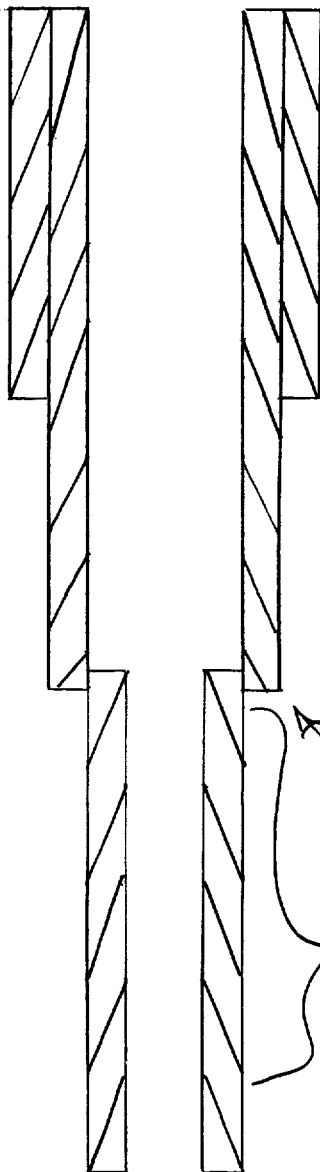
5 1/2 SET @ 9009 CMT W / 800 SXS
TD 9009

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Chavero</i>	EXHIBIT NO. <u>9</u>
CASE NO. <u>8876</u>	

APOLLO ENERGY
INC.

STATE G-36 #1

L36-17s-3SE



DRLG 15" Hole
13" set @ 220 cmt w/150sxs Circulated

DRLG 6 3/4" Hole
5 1/2 SET @ 4879 cmt w/425sxs Circulated
4" Hung Off @ 4872

PERFORATIONS 4881-5212

4" SET @ 5218 cmt w/50sxs Circulated
TD 5218

BEFORE EXAMINER CATANACH	
OIL CONSERVATION 11/11/11	
Chambers	EXHIBIT 11
CASE NO.	8876

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-101
Revised 11-1

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.	E-5143	

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

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	7. Unit Agreement Name
2. Name of Operator	8. Form or Lease Name
APOLLO ENERGY, INC.	STATE G-36
3. Address of Operator	9. Well No.
P. O. BOX 5315, HOBBS, NEW MEXICO 88241	1
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER L, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 17S RANGE 35E NMPM.	Vacuum GB-SA
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3887' GL	LEA

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 OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Casing Leak Survey ☒	

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.

Casing Leak Survey completed by Oil Conservation Inspector
2:00 P. M., June 21, 1983.

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

SIGNED [Signature] TITLE Consulting Engineer DATE 6/22/83APPROVED BY [Signature] TITLE OIL & GAS INSPECTOR DATE JUN 23 1983

CONDITIONS OF APPROVAL, IF ANY:

NAME OF OPERATOR U.S.G.S. LAND OFFICE OPERATOR	5. State Oil & Gas Lease No. E-5143
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL UP TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT TO DRILL UP TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR" FOR SUCH PROPOSALS.)	
1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ Name of Operator Gil-Mc Oil Corporation Address of Operator c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N M 88240 Location of Well UNIT LETTER L 1980 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 17S RANGE 35E NMPM.	7. Unit Agreement Name 8. Farm or Lease Name State G-36 9. Well No. 1 10. Field and Pool, or Wildcat Vacuum GB-SA
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

16. 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 ☐ OTHER ☐	SUBSEQUENT REPORT OF: PLUG AND ABANDON ☐ REMEDIAL WORK ☐ COMMENCE DRILLING OPNS. ☐ CASING TEST AND CEMENT JOB ☐ OTHER Acid Treat ☒
---	---

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.

12/26/78 Treated with 3,000 gallons 15% NE acid and flushed with 38 barrels lease oil. Let set overnight. Pulled tubing and packer, ran tubing and rods. 12/28/78 pumped 59 barrels oil and 5 barrels water in 24 hours.

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

SIGNED *Dennis H. Sexton* TITLE **Agent** DATE **1/2/79**

APPROVED BY *Jerry Sexton* TITLE **Dist 1, Supr** DATE **JAN 1 1979**

CONDITIONS OF APPROVAL, IF ANY

Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
----------------------------------	---------------------------	---------------------------	------------

II. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Dennis H. Sexton
 (Signature)
Agent
11/27/78
 (Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 28 1978**, 19____
 BY *Jerry Sexton*
 TITLE **Dist 1, Supr**

This form is to be filed in compliance with RULE 1104.
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for all wells (old or new and completed wells).
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transportation or other such change of condition.

#1 Apo11o Energy, Inc.
 State G-36
 Form. Petro-Lewis

36-17-35

Super
 Pilot
 Well
 Multi

FILE	
U.S.O.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. OPERATOR

Operator V. H. Westbrook

Address P. O. Box 2264, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐

Recompletion ☐ Casinghead Gas ☐ Condensate ☐

Change in Ownership ☒ Other (Please explain)

If change of ownership give name and address of previous owner M & W Operating Company, Box 922, Lovington, New Mexico 88260

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State G-36</u>	Well No. <u>1</u>	Pool Name, Including Formation <u>Vacuum</u>	Kind of Lease State, Federal or Fee State	Lease No. <u>E-05143002</u>
Location				
Unit Letter <u>L</u>	<u>660</u>	Feet From The <u>West</u> Line and	<u>1980</u>	Feet From The <u>South</u>
Line of Section <u>36</u>	Township <u>17S</u>	Range <u>35E</u>	, NMPM, <u>Lea</u> County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
<u>Mobil Oil Corporation</u>	<u>Box 900, Dallas, Texas 75221</u>
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
<u>None</u>	
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <u>L</u> Sec. <u>36</u> Twp. <u>17S</u> Rge. <u>35E</u>	<u>No</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

VH Westbrook
(Signature)
Owner Operator
December 3, 1974
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply

#1 Apollo Energy, Inc.
State G-36

36-17-35

TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

I. OPERATOR

Operator M & W Operating Company

Address Box 922, Lovington, New Mexico 88260

Reason(s) for filing (Check proper box)

New Well	☐	Change In Transporter of:		Other (Please explain)
Recompletion	☐	Oil	☒	Dry Gas
Change In Ownership	☐	Casinghead Gas	☐	Condensate

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State G 36</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Vaccum</u>	Kind of Lease State, Federal or Free State	Lease No. <u>E-651430</u>
Location				
Unit Letter <u>L</u>	<u>660</u>	Feet From The <u>W</u>	Line and <u>1980</u>	Feet From The <u>South</u>
Line of Section <u>36</u>	Township <u>17S</u>	Range <u>35E</u>	, NMPM, <u>Lea</u> County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
<u>Mobil Oil Corporation</u>	<u>Box 633, Midland, Texas</u>
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	
Unit <u>L</u>	Sec. <u>36</u>
Twp. <u>17S</u>	Rng. <u>35E</u>
Is gas actually connected?	When
<u>No</u>	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John W. Wilson
(Signature)
Partner
(Title)
11/5/73
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

#1 Apollo Energy, Inc.
State G-36

36-17-35

TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

I. OPERATOR

Operator M & W Operating Co.

Address Box 922, Lovington, New Mexico 88260

Reason(s) for filing (Check proper box) Other (Please explain)

New Well ☐ Change in Transporter of:

Recompletion ☐ Oil ☒ Dry Gas ☐

Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State G 36</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Vacuum</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>-051430</u>
Location Unit Letter <u>L</u> : <u>660</u> Feet From The <u>W</u> Line and <u>1780</u> Feet From The <u>south</u>				
Line of Section <u>36</u> Township <u>178</u> Range <u>35E</u> , NMPM, <u>lea</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
<u>Mobil Line Inc.</u>	<u>Box 633, Midland, TX</u>
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tank.	Unit Sec. Twp. Rge. Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well ☐	Gas Well ☐	New Well ☐	Workover ☐	Deepen ☐	Plug Back ☐	Same Res'v. ☐	Diff. Res'v. ☐
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

James W. Wilson
(Signature)
Partner
(Title)
9-26-73
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____
BY _____
TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filled for each pool in multiply completed wells.

#1 Apollo Energy, Inc.
State G-36

36-17-35

FILE
S.G.S.
AND OFFICE
PERATOR

WELL COMPLETION OR RECOMPLETION REPORT

E-05143-002

TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

TYPE OF COMPLETION

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

Name of Operator

M & W Operating Company

Address of Operator

Box 922, Lovington, New Mexico 88260

Location of Well

7. Unit Agreement Name

8. Farm or Lease Name

State 0 36

1

10. Field and Pool, or Wildcat

Vacuum

12. County

LEA

11. LETTER L LOCATED 660 FEET FROM THE West LINE AND 1980 FEET FROM

14. South LINE OF SEC. 36 TWP. 17S RGE. 35E NMPM

5. Date Spudded 8-8-73 16. Date T.D. Reached 8-11-73 17. Date Compl. (Ready to Prod.) 3887 GL 18. Elevations (DF, RKB, RT, GR, etc.) 3886 19. Elev. Casinghead

20. Total Depth 5218 21. Plug Back T.D. 5217 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools yes

24. Producing Interval(s), of this completion - Top, Bottom, Name 25. Was Directional Survey Made

4881 Top 5212 Bottom San Andres

Re-entry

26. Type Electric and Other Logs Run

Gamaray - Nutron

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	40#	220	15"	150 ska	NONE
5 1/2	17	4879	6 3/4	425 ska	15,000

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4	4872	5218	50	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 1/2	4880	4850

31. Perforation Record (Interval, size and number)

4881 to 4914 1 shot per ft.

5012 to 5212 1 shot per ft.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4881-5212	2000 gal 15% Hcl

33. PRODUCTION

Date First Production 8-12-73		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 2"x1 1/2"x16' tubing pump				Well Status (Prod. or Shut-in) Shut in	
Date of Test 8-15-73	Hours Tested 24	Choke Size 2"	Prod'n. For Test Period	Oil - Bbl. 96	Gas - MCF TSTM	Water - Bbl. 30	Gas - Oil Ratio 0
Flow Tubing Press. 25	Casing Pressure 185	Calculated 24-Hour Rate	Oil - Bbl. 96	Gas - MCF TSTM	Water - Bbl. 30	Oil Gravity - API (Corr.) 36.4	

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

Vented

Test Witnessed By

Jack Pharis

35. List of Attachments

36. 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 [Signature]

TITLE PARTNER

DATE 8-16-73

Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

BANYATE FILE U.S.G.S. LAND OFFICE OPERATOR	NEW MEXICO OIL & GAS CONSERVATION	State ☒ New Mexico 5. State Oil & Gas Lease No. E-05143-002
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		7. Unit Agreement Name
2. Name of Operator V. H. Westbrook		8. Farm or Lease Name State C-36
3. Address of Operator P. O. Box 2264 Hobbs, NM 88240		9. Well No. 1
4. Location of Well UNIT LETTER L . 660' FEET FROM THE West LINE AND 1980' FEET FROM THE South LINE, SECTION 36 TOWNSHIP 17S RANGE 35E NMPM.		10. Field and Pool, or Wildcat Vacuum
15. Elevation (Show whether DF, RT, GR, etc.) 3887 CL		12. County Lea

16. 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 ☐
 OTHER ☐

PLUG AND ABANDON ☐
 CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒
 COMMENCE DRILLING OPNS. ☐
 CASING TEST AND CEMENT JOBS ☐
 OTHER ☐

ALTERING CASING ☐
 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.

Drilled out cement in 4" OD liner from 4872' to 4932'. Perforated 4890 to 4910 with 1 shot per foot. Acidized with 3000 Gals. HCL Acid. Put well back on production 8-10-75.

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

SIGNED V. H. Westbrook TITLE Operator DATE 8-12-75

APPROVED BY John Runyan Geologist TITLE Geologist DATE AUG 21 1975

CONDITIONS OF APPROVAL, IF ANY:

Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

ANY TYPE
FILE
S.G.S.
AND OFFICE
PERATOR

State ☒
State Oil & Gas Lease No.
E-05143-002

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-

Name of Operator

V. H. Westbrook

Address of Operator

P. O. Box 2264 Hobbs, NM 88240

1. Location of Well

UNIT LETTER L 660 FEET FROM THE West LINE AND 1980 FEET FROM

THE South LINE, SECTION 36 TOWNSHIP 17S RANGE 35E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

State G-36

9. Well No.

1

10. Field and Pool, or Wildcat

Vacuum

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

3887 GL

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 ☐

PULL OR ALTER CASING ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

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.

Drill out 35' of cement in 4" OD liner @ 4872 and perforate from 4890' to 4910' with 1 shot per foot, acidize W/3000 Gals. 15% NE Acid and test.

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

SIGNED V. H. Westbrook

TITLE Operator

DATE 8-4-75

Geologist

AUG 21 1975

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Wellhead (first, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

U.S.O.B.		
LAND OFFICE		
OPERATOR		

State TX
5. State Oil & Gas License No. E-05143-002

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-	7. Unit Agreement Name State G-36
2. Name of Operator V. H. Westbrook	8. Farm or Lease Name State G-36
3. Address of Operator P. O. Box 2264, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER L , 660 FEET FROM THE West LINE AND 1980 FEET FROM THE South LINE, SECTION 36 TOWNSHIP 17S RANGE 35E NMPM.	10. Field and Pool, or Wildcat Vacuum-San Andres
15. Elevation (Show whether DF, RT, GR, etc.)	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 ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

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.

12-18-74 Pulled rods & tubing. Ran cement retainer.

12-20-74 Squeezed perforations from 4804 to 5220 with 350 sks. cement. S. I. well 48 hrs.
Drilled out cement retainer & cement from 4720 to 4886.

12-22-74 Logged & re-perforated from 4804 to 4886.

12-23-74 Fract w/30,000 gals. brine & 30,000 lbs. sand. S. I. well.

12-26-74 Swabbed well down.

12-28-74 Put back on pump.

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

SIGNED *V. H. Westbrook* TITLE Operator DATE 1-22-75

APPROVED BY *Dist. 1. S. S.* TITLE Dist. 1. S. S. DATE 1-22-75

CONDITIONS OF APPROVAL, IF ANY:

Pressure back pr.)	Tubing Pressure (shut-in)	Flow: Condensate/MMCF	Gravity of Condensate
		Casing Pressure (shut-in)	Choke Size

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

State <u>TX</u>	Lease No. <u>E-05143-002</u>
-----------------	------------------------------

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 ☐	7. Unit Agreement Name
2. Name of Operator V. H. Westbrook	8. Farm or Lease Name State G-36
3. Address of Operator P. O. Box 2264, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER <u>L</u> <u>660</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM THE <u>South</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17S</u> RANGE <u>35E</u> NMPM.	10. Field and Pool, or Wildcat Vacuum-San Andres
15. Elevation (Show whether DF, RT, GR, etc.) 3887 GL	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 ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	OTHER ☐

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.

Squeeze perfs from 4804' to 5220. Drill out cement and re-perforate from 4804 to 4886.

Frac with 30,000 gallons Mod Brine and 45,000 # 10-20 sand.

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

SIGNED V. H. Westbrook TITLE Owner/Operator DATE 12-9-74

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

**REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

I. OPERATOR

Operator: _____

Address: _____

Reason for filing (check proper box): ☒ New Well ☐ Change in Transporter of: ☐ Oil ☐ Dry Gas ☐ Recompletion ☐ Casinghead Gas ☐ Condensate ☐ Change in Ownership ☐ Other (Please explain): COMINGLING ORDER MUST NOT BE PLACED AFTER 10/12/73 UNLESS AN EXCEPTION TO 15-1870 IS OBTAINED.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name: <u>C 36</u>	Well No.: <u>1</u>	Pool Name, Including Formation: <u>W. COMM</u>	Kind of Lease: <u>State, Federal or Fee</u>	Lease No.: <u>1052036</u>
Location: _____				
Unit Letter: <u>L</u> : <u>660</u> Feet From The <u>660</u> Line and <u>1700</u> Feet From The <u>South</u>				
Line of Section: <u>36</u> Township: <u>27</u> Range: <u>35</u> NMPM, T. 14 N. County: _____				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
(If well produces oil or liquids, give location of tanks.)	Unit Sec. Twp. Rge. Is gas actually connected? When

If this production is comingled with that from any other lease or pool, give comingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well ☒	Gas Well ☐	New Well ☐	Workover ☐	Deepen ☐	Plug Back ☐	Same Restv. ☐	Diff. Restv. ☐
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Annulus	4001	Depth Casing Shoe					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15"	15" 40'	240	175
6 3/4"	5 1/2" 17'	4379	425
4 3/4"	4" 11'	5215	50

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John W. Wilson
(Signature)

(Title)

OIL CONSERVATION COMMISSION

APPROVED _____ 19____
BY John W. Wilson
TITLE Secretary

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.

#1 Apollo Energy, Inc.
State G-36

36-17-35

ANTAGE		
ILE		
.S.G.S.		
AND OFFICE		
PERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

1. Indicate type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
E-05143-002

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 ☐	7. Unit Agreement Name
Name of Operator	8. Farm or Lease Name
M & W Operating Company	State G-36
Address of Operator	9. Well No.
Box 922 Lovington, New Mexico 88260	
Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER <u>L</u> <u>660</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM	Vacuum
THE <u>south</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17s</u> RANGE <u>35E</u> NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3887 GL	Lea

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 OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒	

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.

Drilled out plugs and into 5½" casing onto top of 5½" pipe at 1340". Tied 1340" of 14#5½" casing unto old casing with casing bowl. Tested to 2000# & held. Drill out balance of plugs and drilled 4 3/4" hole from 4872" to 5218". Set 4" flush joint liner from 4872" to 5218' and cement with 50 sks of cement, test to 2000# and held. Drill out and perforate from 4881' to 4914' with 1 shot per ft. and 5012' to 5212' with 1 shot. per ft. Wash perforations and acidized with 2000 gal. 15% Hcl. acid. Completed the above work 8-3-1973.

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

SIGNED John W. Wilson TITLE Partner DATE 8-12-73

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MUDDING AND CEMENTING RECORD

TIME	SIZE OF CASING	WATER SHED	NO. BAGS OF CEMENT	METHOD USED	MUD GRAMM
------	----------------	------------	--------------------	-------------	-----------

DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

MEXICO OIL CONSERVATION COMMISSION

E-05143-002

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Farm or Lease Name State G 36	
2. Name of Operator M & W Operating Company		9. Well No. 1	
3. Address of Operator Box 922, Lovington, New Mexico 88260		10. Field and Pool, or Wildcat Vaccum	
4. Location of Well UNIT LETTER <u>X</u> LOCATED <u>660</u> FEET FROM THE <u>West</u> LINE AND <u>1980</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>36</u> TWP. <u>17 S</u> RGE. <u>35 E</u> NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 3887 GR		19. Proposed Depth 5230	19A. Formation San Andres
21A. Kind & Status Plug, Bond Bond - 7117556 1 - well - 5000.00		21B. Drilling Contractor B & M	20. Rotary or C.T. Rotary
		22. Approx. Date Work will start 7/12/73	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	13"	40#	222'	175	3884
6-3/4"	5-1/2"	17#	4879'	425	3887

Drill out plugs and into 5-1/2" casing, dress top of 5-1/2" pipe. Run 5-1/2" casing with a self sealing casing bowl and latch onto pipe. Drill out ballance of plug and new hole to a total dept of 5230'. Run and cement 4-1/2" flush joint liner, using 150 sacks of cement. Reperforate well from 5110' to 5225', using 3 shots per foot. We will run blow out prevent on 5-1/2" casing after tying onto old pipe.

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. 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.

Signed John W. Miller Title Partner Date July 11, 1973

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR IN DISTRICT I DATE

CONDITIONS OF APPROVAL, IF ANY:

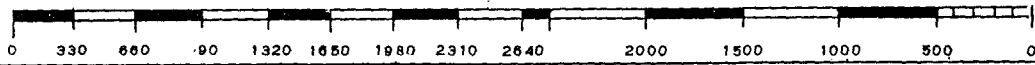
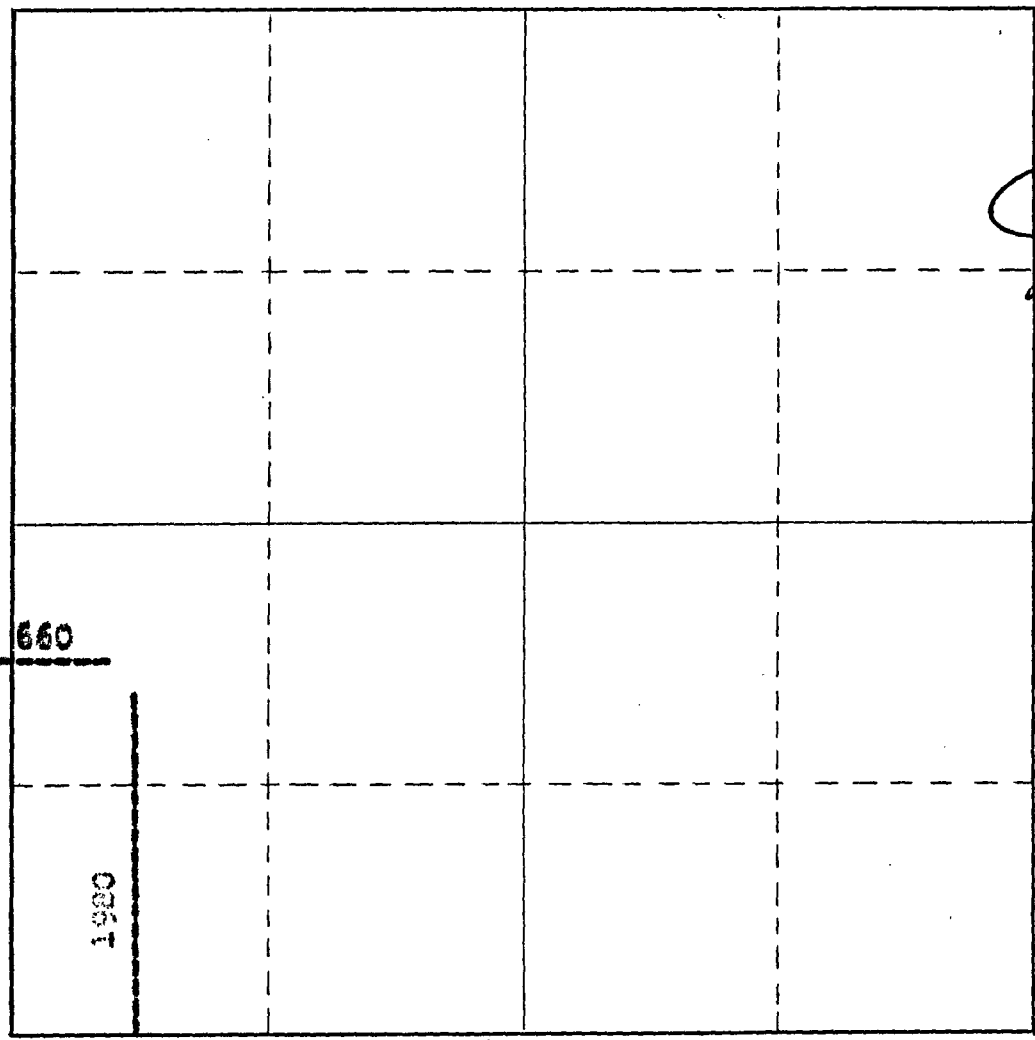
Operator M. A. Operating Co.			State 0 36		Well No. 1
Unit Letter	Section 36	Township 17	Range 35	County Don	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the West line					
Ground Level Elev. 3887	Producing Formation San Andres		Pool <i>[Handwritten]</i>	Dedicated Acreage: 4 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>[Signature: Phillip W. Wilson]</i> Name Phillip W. Wilson	
Position M. A. Operating Co.	
Compl. July 12, 1973	
Date _____	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
1938	
Date Surveyed _____	
Registered Professional Engineer and/or Land Surveyor	
Certificate No. _____	

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. 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 REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	☒		

Hobbs, New Mexico

May 25, 1939

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

DUPLICATE

Continental Oil Company

State G-36

Well No. 1 in the

COMPANY OR OPERATOR

LEASE

SW/4

of Sec.

36

T.

17S

R.

35E

N. M. P. M.,

Vacuum

Field,

Lea

County

The dates of this work were as follows: 3-31-39 to 4-5-39

Notice of intention to do the work was (~~xxxx~~) submitted on Form C-102 on 3-28-39 19 and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Plugged back into the 5½" casing w/50 sack cement. Shot off 5½" at about 1340'. Plugged back inside 5½" casing w/mud and set a 50 sack cement plug at top of 5½" left in hole. The hole was then plugged back w/mud to 220', where a cement plug was set at base of 13" surface pipe. The surface pipe was filled w/~~cement~~ mud to within 30' of surface, and then cemented back into the cellar.

A 4" marker has been erected and the location cleaned up.

Witnessed by L. G. Wilbur

Name

Helmerich & Payne, Inc.

Company

Subscribed and sworn to before me this 25th

day of May, 1939

J. P. McCormick

Notary Public

I hereby swear or affirm that the information given above is true and correct.

Name G. M. Purswell

Position Asst. Dist. Supt.

Representing Continental Oil Co.

Company or Operator

My Commission expires 4-26-40

Address Box CC, Hobbs, N.M.

Remarks:

Roy Garbrough
Oil & Gas Inspector

Title

MUDDING AND CEMENTING RECORD

SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	REMARKS

DISCERNABLE

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commissioner or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	X

Hobbs, New Mexico March 28, 1939
Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

DUPLICATE

Gentlemen:

Following is a notice of intention to do certain work as described below at the Continental Oil Company
State G-36 #1 Well No. 1 in SW/4
Company or Operator Lease
of Sec. 36, T. 17, R. 35, N. M. P. M., Vacuum Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Permission is requested to plug and abandon the above well as outlined below:

Set 50 sacks cement plug in bottom hole and allow cement to set 24 hours. Shoot off and pull all 5½" casing possible.

Set 50 sacks cement plug in top of 5½" casing left in hole and fill hole with mud to within about 1700' of surface.

Set cement plug at 1700' and let cement set 24 hours. Fill hole with mud to within 220' of surface and set 50 sacks cement plug. Fill hole with mud to within 30' of surface and then cement to surface.

A 4" marker will be erected according to Government regulations.

FGP:

MAR 29 1939

Approved _____, 19____
except as follows:

Continental Oil Company

Company or Operator

By H. L. Johnston

Position District Superintendent

Send communications regarding well to

OIL CONSERVATION COMMISSION,

By Roy Yarbrough

Name H. L. Johnston

Address Box CC, Hobbs, N.M.

Title OIL & GAS INSPECTOR

MUDDING AND CEMENTING RECORD

SIZE OF	SIZE OF	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
---------	---------	-----------	---------------------	-------------	-------------	--------------------

State G-36

6-3/4	5-1/2	4879'	425	do		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 4950 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing December 1, 1938
60 bbls oil & 3 bbls water in 24 hours pumping.
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Henry Robertson, Driller R. C. Doss, Driller
J. E. Carmichael, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 28th
 day of March, 1939

J. P. McFormick
 Notary Public
4-26-41
 My Commission expires _____

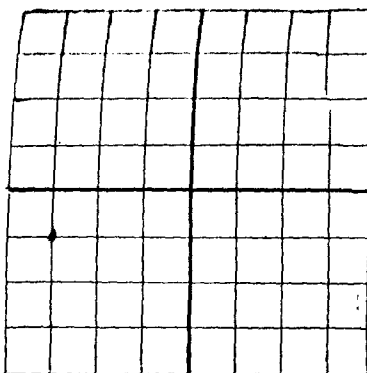
Hobbs, N.M. 3-28-39
 Place Date
 Name H. P. Sherton
 Position District Superintendent
 Representing Continental Oil Company
 Company or Operator
 Address Box 66, Hobbs, New Mexico.

Santa Fe, N. Mexico

WELL RECORD

DUPLICATE

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE.



AREA 640 ACRES
LOCATE WELL CORRECTLY

Continental Oil Company

Box CC, Hobbs, N.M.

Company or Operator **Continental Oil Company** Address **Box CC, Hobbs, N.M.**
 State **G-36** Well No. **1** in **SW/4** of Sec. **36** T. **17-S**
 Lease **35-E** N. M. P. M. **Vacuum** Field, **Lea** County.
 Well is **3300** feet south of the North line and **4620** feet west of the East line of **Sec. 36**
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is _____ Address _____
 If Government land the permittee is _____ Address _____
 The Lessee is **Continental Oil Company** Address **Box CC, Hobbs, N.M.**
 Drilling commenced **8-10-38** 19____ Drilling was completed **9-30-38** 19____
 Name of drilling contractor **Helmerich & Payne** Address **Tulsa, Oklahoma**
 Elevation above sea level at top of casing **3903** feet.
 The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from **4890** to **4922** No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
13"	40#	8	SH LN	222'	TP				
5-1/2"	17#	10	Nat'l	4886'7"	Cement guide shoe & float collar				
2"	4.70	10	Nat'l	4908'5"	Tubing set at 4897'				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED

to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	☒	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico

September 12, 1938

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Continental Oil Company State G-36 Well No. 1 in SW/4

Company or Operator

Lease

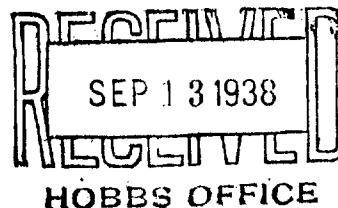
of Sec. 36, T. 17-S, R. 35-E, N. M. P. M., Vacuum Field,

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

5½" OD casing was set in the subject well at 4863' and cemented with 425 sacks on September 11, 1938. After cement has been allowed to set 72 hours, casing will be tested with 1200# pressure for 30 minutes both before and after drilling plug.



SEP 13 1938

Approved _____, 19____
except as follows:

Continental Oil Company

Company or Operator

By H. L. Johnston

Position District Supt.

Send communications regarding well to

OIL CONSERVATION COMMISSION,

Name H. L. Johnston

By R. W. Warren

Address Box CC, Hobbs, N.M.

Title Oil & Gas Inspector

State G-36

Hobbs, N.M.

August 4, 1938

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.
Gentlemen:

DUPLICATE

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Continental Oil Company

State G-36

Well No. 1 in SW/4

Company or Operator of Sec. 36, T. 17-S, R. 35-E, N. M. P.M., Lease Vacuum Field, Lea County.

The well is 1980 feet (N.) ~~xxx~~ of the South line and 660 feet

(E.) ~~xxx~~ of the West line of 36

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____, Assignment No. _____

If patented land the owner is _____

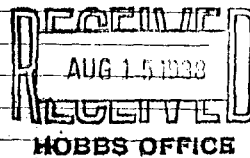
Address _____

If government land the permittee is _____

Address _____

The lessee is Continental Oil Company

Address Box CC, Hobbs, N.M.



AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

Rotary tools

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows:

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
15"	13"	40#	New	200	Cemented	225 To Surface
9-7/8"	8-5/8"	32#	SH	1600'	do	375
8-1/4"	5-1/2"	17#	New	4500'	do	425

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 5000 feet.

Additional information:

This notice of intention to drill supercedes notice dated August 4, 1938, account change in casing pattern.

Approved AUG 15 1938, 19 _____
except as follows:

Sincerely yours,

Continental Oil Company

Company or Operator

By _____

Position District Supt.

Send communication regarding well to

OIL CONSERVATION COMMISSION.

By _____ Name H. L. Johnston

Title Oil & Gas Inspector Address Box CC, Hobbs, N.M.

#1 Apollo Energy, Inc.
State G-36
Form. Petro-Lewis

Unit L 36-17-35

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

NEW MEXICO OIL CONSERVATION COMMISSION

Effective 1-1-65

JUN 9 1 21 PM '67

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
Vacuum SWD	
8. Farm or Lease Name	
Vacuum SWD	
9. Well No.	
F-35	
10. Field and Pool, or Wildcat	
Vac Edge	
12. County	
Lea	

SUNDY 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- Salt water disposal well	7. Unit Agreement Name
2. Name of Operator	Vacuum SWD
Rice Engineering & Operating, Inc.	8. Farm or Lease Name
3. Address of Operator	Vacuum SWD
P. O. Box 1142, Hobbs, New Mexico	9. Well No.
4. Location of Well	F-35
UNIT LETTER <u>F</u> , 1986 FEET FROM THE <u>North</u> LINE AND 1982 FEET FROM	10. Field and Pool, or Wildcat
THE <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>17S</u> RANGE <u>35E</u> NMPM.	Vac Edge
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3907 GL & 3920 KB	Lea

16. 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 OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER <u>Convert to SWD well</u> ☒	CASING TEST AND CEMENT JOB ☐	OTHER ☐

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 1105.
1. Run 5½" OD, 14#, J-55 8RT ST&C casing to 4890' & cement w/200 sacks cement and test w/1000# for 30 min.
 2. Circ. w/salt water to clean up open hole from 4890' to PBTD of 5855'.
 3. Acidize open hole interval 4890' to 5855' w/10,000 gallons of 15% Hcl.
 4. Take maximum gravity injection test down 5½" casing.
 5. Install 3½" OD plastic-lined tubing @ 4890'.
 6. Load annulus between tubing and casing with oil.

The above work will commence as soon as Application to Dispose of Salt Water by Injection into a Porous Formation is approved. This well was formerly Phillips-Santa Fe No. 60.

54167

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

SIGNED <u>L. B. Goodheart</u>	TITLE <u>Division Manager</u>	DATE <u>June 8, 1967</u>
APPROVED BY <u></u>	TITLE <u></u>	DATE <u></u>
CONDITIONS OF APPROVAL, IF ANY:		

RECORD OF PRODUCTION AND STIMULATION

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

None

NOTE: PHILLIPS 19, 40, 47 (S.A. wells)
This is Now A Disposal Well

Result of Production Stimulation None

35-17-35

Depth Cleaned Out

#35 Rice Engineering Corp. 35-17-35
SMD-67 Vacuum SWD "F" Unit F

TOOLS USED

Rotary tools were used from surface feet to 9400 TD feet, and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing Non-productive, 19____ (Temporarily abandoned)

OIL WELL: The production during the first 24 hours was _____ barrels of liquid of which _____ % was
 was oil; _____ % was emulsion; _____ % water; and _____ % was sediment. A.P.I.

Gravity _____

GAS WELL: The production during the first 24 hours was _____ M.C.F. plus _____ barrels of
 liquid Hydrocarbon. Shut in Pressure _____ lbs.

Length of Time Shut in _____

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. Rustler	1716	T. Devonian	T. Ojo Alamo
T. Salt		T. Silurian	T. Kirtland-Fruitland
B. Salt		T. Montoya	T. Farmington
T. Yates	3070	T. Simpson	T. Pictured Cliffs
T. 7 Rivers		T. McKee	T. Menefee
T. Queen	4010	T. Ellenburger	T. Point Lookout
T. Grayburg	4320	T. Gr. Wash	T. Mancos
T. San Andres	4630	T. Granite	T. Dakota
T. Glorieta	6435	T.	T. Morrison
T. Del Rio Clearfork	6580	T.	T. Penn
T. Tubbs		T.	T.
T. Abo	9134	T.	T.
T. Penn		T.	T.
T. Miss		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1802	1802	Redbed				
1802	3472	1670	Redbed, anhydrite				
3472	3985	513	Anhydrite, lime				
3985	4372	387	Anhy, lime, shale				
4372	5860	1488	Lime, shale, dolo.				
5860	8933	3073	Dolomite				
8933	9209	276	Dolomite, lime				
9209	9400	191	Dolomite				
	TD						

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far
 as can be determined from available records.

10-8-62

Company or Operator Phillips Petroleum Company

Address Box 2105 - Hobbs, New Mexico (Date)

Name M. G. Preston

Position or Title District Chief Clerk

(Temporarily abandoned)

PRODUCTION

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet.
If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

94.00 TD

surface

(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

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

Name of Company Phillips Petroleum Company		Address Box 2105, Hobbs, New Mexico			
Lease Santa Fe	Well No. 60	Unit Letter F	Section 35	Township 17S	Range 35E
Date Work Performed Oct. 25, 26, 1961	Pool Undesignated		County Lea		
THIS IS A REPORT OF: (Check appropriate block)					
☐ Beginning Drilling Operations		☐ Casing Test and Cement Job		☐ Other (Explain):	
☒ Plugging		☐ Remedial Work			
Detailed account of work done, nature and quantity of materials used, and results obtained.					
Conditioned hole. Spotted 150 sacks regular cement at 9400'. Checked top of plug at 8845'. Spotted 50 sacks regular cement 7600-7485' over mud in hole to 7600'. Spotted 200 sacks regular cement over base of San Andres at 6350'; top of plug at 5855'. Capped well. Temporarily abandoned well. Will hold for possible salt water disposal use. Location may be inspected.					

Witnessed by D. M. Barton	Position Lease Foreman	Company Phillips Petroleum Company
-------------------------------------	----------------------------------	--

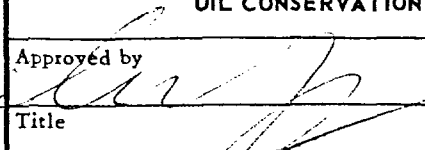
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by 	Name McGraw-Hill		
Title District Chief Clerk	Position District Chief Clerk		
Date 10/26/61	Company Phillips Petroleum Company		

Santa Fe, New Mexico

1961 OCT 27 AM 10:11

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL	☒	NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Hobbs, New Mexico
(Place)

October 25, 1961
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Santa Fe
Phillips Petroleum Company Well No. 60 in F
(Company or Operator) (Unit)
SE 1/4 NW 1/4 of Sec. 35, T. 17S, R. 35E, NMPM., Undesignated Pool
(40-acre Subdivision) (East Vacuum Abo)
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK (FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Spot 150-sack cement plug 9400-8845'. Mud hole to 7600'. Spot 50-sack cement plug 7600-7485'. Mud hole to 6350'. Spot 200-sack cement plug 6350-5855'. Temporarily plug well and hold for possible water disposal use.

(Verbal approval Engbrecht/Morgan 10-24-61)

Approved....., 19.....
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By.....
Title.....

Phillips Petroleum Company
Company or Operator

By.....

Position..... District Chief Clerk
Send Communications regarding well to:

Name..... Phillips Petroleum Company

Address..... Box 2105 - Hobbs, New Mexico

Section A.

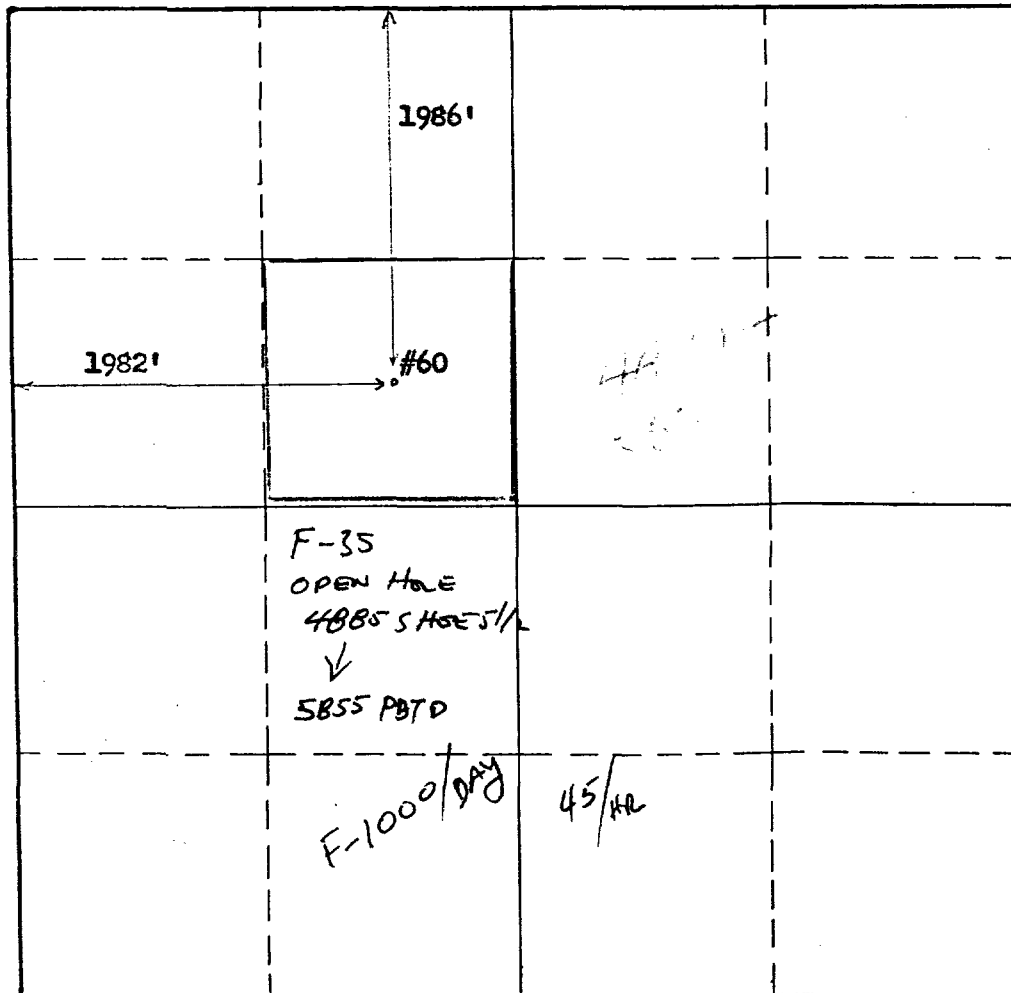
Operator Phillips Petroleum Company Lease Santa Fe AUG 25 AM 10:17
 Well No. 60 Unit Letter F Section 35 Township 17-S Range 35-E NMPM
 Located 1986 Feet From north Line, 1982 Feet From west Line
 County Lea G. L. Elevation 3907 Dedicated Acreage 40 Acres
 Name of Producing Formation Abo Pool East Vacuum Abo

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
 Yes X No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Phillips Petroleum Company
 (Operator)

M. E. Spry
 (Representative)

Box 2105, Hobbs, New Mexico
 Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 6-9-61

M. E. Spry
 Registered Professional
 Engineer and/or Land Surveyor.

Certificate No. 172

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

NEW MEXICO OIL CONSERVATION COMMISSION

Effective 1-1-65

JAN 12 11 49 AM '67

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

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: Salt water disposal well		7. Unit Agreement Name Vacuum SWD
2. Name of Operator Rice Engineering & Operating, Inc.		8. Farm or Lease Name Vacuum SWD
3. Address of Operator P. O. Box 1142, Hobbs, New Mexico		9. Well No. G-35
4. Location of Well UNIT LETTER <u>G</u> , <u>1982</u> FEET FROM THE <u>East</u> LINE AND <u>1986</u> FEET FROM THE <u>North</u> LINE, SECTION <u>35</u> TOWNSHIP <u>17S</u> RANGE <u>35E</u> NMPM.		10. Field and Pool, or Wildcat Vac edge
15. Elevation (Show whether DF, RT, GR, etc.) 3910' DF		12. County Lea

16.

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 Convert to SWD well ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐

ALTERING CASING ☐
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. Set CI bridge plugs @ 8600' and 6000' and test w/1000#.
2. Perf. 5½" OD casing from 4973' to 5700'.
3. Acidize perforations w/10,000 gallons of 15% Hcl.
4. Take maximum gravity injection test down 5½" OD casing.
5. Install 3½" OD plastic lined tubing @ 4970'.
6. Load annulus between tubing and casing with oil.

35-17-35

IP-16/
OWATER

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

SIGNED L. B. Goodhart

TITLE Division Manager

DATE January 11, 1967

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

TRANSPORTER	DATE
REGISTRATION OFFICE	
OPERATOR	

HOBBS OFFICE OCC

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 QUADRUPPLICATE to the 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 psia at 60° Fahrenheit.

Hobbs, New Mexico

July 28, 1961

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Phillips Petroleum Company

Santa Fe

Well No. 58, in SW 1/4 NE 1/4,

(Company or Operator)

(Lease)

G

Sec. 35

T. 17S

R. 35E

NMPM,

Undesignated

Pool

Unit Letter

Lea

County. Date Spudded 4-23-61

Date Drilling Completed

6-7-61

Please indicate location:

Elevation 3899' (FL)

Total Depth 9055'

PBTD

-

Top Oil/Gas Pay 8740'

Name of Prod. Form.

Abo

PRODUCING INTERVAL -

Perforations 8765-8789' and 8958-9004'

Open Hole 9016-9055'

Depth

Casing Shoe

Depth

Tubing

8707'

OIL WELL TEST -

None prior to acid treatment

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

Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of

load oil used): 161 bbls. oil, 0 bbls water in 24 hrs, 0 min. Size 24/64"

Choke

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Tubing, Casing and Cementing Record

Size

Feet

Sax

13-3/8	320'	350
8-5/8	3262'	400
5-1/2	9016'	745

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

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

* (See remarks)

sand):

Casing

Tubing

Date first new

Press.

Press.

oil run to tanks

July 19, 1961

Oil Transporter

The Permian Corp.

Gas Transporter

Phillips Petroleum Company

Remarks: * Perfs. 8958-9004 acidized with 1000 gallons 15% regular acid

Perfs. 8765-8789' acidized with 1000 regular 15% acid & dolofrased with 20,000 gals.

Open Hole 9016-9055' acidized with 1500 gallons regular 15% acid E. Vacuumal

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

Approved: 19

Phillips Petroleum Company

(Company or Operator)

By:

(Signature)

Title

District Chief Clerk

Send Communications regarding well to:

Name Phillips Petroleum Company

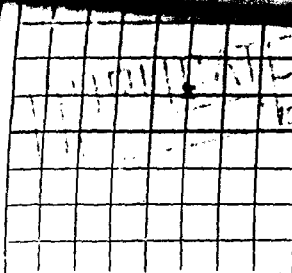
P.O. Box 2105

Address Hobbs, New Mexico

OIL CONSERVATION COMMISSION

By:

Title



Santa Fe, New Mexico

JUL 20 PM 3:20

WELL RECORD

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 **QUINTUPLICATE**. If State Land submit 5 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Phillips Petroleum Company

Santa Fe

(Company or Operator)

(Lessee)

Well No. 58, in SW $\frac{1}{4}$ of NE $\frac{1}{4}$, of Sec. 35, T. 17S, R. 35-E, NMPM.
Undesignated Pool, Lea County.

Well is 1986 feet from north line and 1982 feet from east line
of Section 35. If State Land the Oil and Gas Lease No. is B-2131

Drilling Commenced 4-23-61, 19____ Drilling was Completed 6-7-61, 19____

Name of Drilling Contractor SH&K Drilling CompanyAddress Tulsa, Oklahoma

Elevation above sea level at Top of Tubing Head 3899' (Gr.) The information given is to be kept confidential until
not confidential, 19____

OIL SANDS OR ZONES

No. 1, from 8740 to 9055' (TD) No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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
13-3/8	48	New	304'	Hallib.			Surface
8-5/8	24.32	New	3250'	Rector			Intermediate
5-1/2	14-15-17	New	9002'	Hallib.		8765-8789' 8958-9004'	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	320'	350	Pump-plug		
12-1/4	8-5/8	3262'	400	"		
7-7/8"	5-1/2	9016'	745	" w/stage collar		

RECORD OF PRODUCTION AND STIMULATION

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

Acidized perms. 8765-8789' with 1000 gals. regular acid and dolefraced with 10,000 gals.

Acidized perms. 8958-9004' with 1500 gallons regular.

Acidized open hole 9016-9055' with 1500 gallons regular acid.

Result of Production Stimulation Flored 24 hours, 161 barrels oil, no water.

Depth Cleaned Out _____

#35
Rice Engineering Corp.
Vacuum SMD "G"
R-3070 Sun

35-17-35

Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing July 19, 1961, 19.....

OIL WELL: The production during the first 24 hours was 161 barrels of liquid of which 100 % was
was oil;% was emulsion;% water; and% was sediment. A.P.I.
Gravity 37.9

GAS WELL: The production during the first 24 hours was.....M.C.F. plus.....barrels of
-liquid Hydrocarbon. Shut in Pressure.....lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. <u>Rustler</u> <u>1740</u>	T. Devonian.....	T. Ojo Alamo.....	
T. Salt.....	T. Silurian.....	T. Kirtland-Fruitland.....	
B. Salt.....	T. Montoya.....	T. Farmington.....	
T. Yates..... <u>3140</u>	T. Simpson.....	T. Pictured Cliffs.....	
T. 7 Rivers.....	T. McKee.....	T. Menefee.....	
T. Queen..... <u>4062</u>	T. Ellenburger.....	T. Point Lookout.....	
T. Grayburg..... <u>4375</u>	T. Gr. Wash.....	T. Mancos.....	
T. San Andres..... <u>4675</u>	T. Granite.....	T. Dakota.....	
T. Glorieta..... <u>6500</u>	T.	T. Morrison.....	
T. Yates <u>Clearfork</u> <u>6634</u>	T.	T. Penn.....	
T. Tubbs.....	T.	T.	
T. Abo..... <u>8740</u>	T.	T.	
T. Penn.....	T.	T.	
T. Miss.....	T.	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	750	750	Redbeds				
750	4285	3535	Anhydrite, salt				
4285	5380	1095	Lime, anhydrite				
5380	7221	1841	Lime, dolomite				
7221	8020	799	Lime				
8020	8885	865	Lime, shale				
8885	9055	170	Lime				
	TD						

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED .

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far
as can be determined from available records.

Company or Operator Phillips Petroleum Company Address Box 2105, Hobbs, New Mexico (Date) July 28, 1961
Name [Signature] Position or Title District Chief Clerk

JULY 19, 1961 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet. Rotary tools were used from _____ feet to _____ feet.						
Name of Company Phillips Petroleum Company			Address Box 2105, Hobbs, New Mexico			
Lease Santa Fe	Well No. 58	Unit Letter G	Section 35	Township 17S	Range 35E	
Date Work Performed 6-9/10/11, 1961	Pool Undesignated		County Lea			
THIS IS A REPORT OF: (Check appropriate block)						
☐ Beginning Drilling Operations	☒ Casing Test and Cement Job		☐ Other (Explain):			
☐ Plugging	☐ Remedial Work					
Detailed account of work done, nature and quantity of materials used, and results obtained.						
Cemented 5-1/2" (14,15,17#) casing at 9016'. Cemented first stage with 780 cu. ft. 40% DD(175 sx. regular, 132 sx. dd) followed by 220 sacks sloset neat. Cemented 2nd stage thru DV tool with 1250 cu. ft. 40% DD (270 sx. reg SR 208 sx DD) followed by 100 sacks neat. Cement circulated. WOC 19 hours. Tested casing with 1000# for 30 minutes, no pressure loss. DV @ 6258'						
Witnessed by D. M. Barton		Position Lease Foreman		Company Phillips Petroleum Company		
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY						
ORIGINAL WELL DATA						
D F Elev.	T D	P B T D	Producing Interval		Completion Date	
Tubing Diameter	Tubing Depth		Oil String Diameter		Oil String Depth	
Perforated Interval(s)						
Open Hole Interval			Producing Formation(s)			
RESULTS OF WORKOVER						
Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						
OIL CONSERVATION COMMISSION				I hereby certify that the information given above is true and complete to the best of my knowledge.		
Approved by <i>Leslie H. Clements</i>				Name <i>M. Bractor</i>		
Title <i>Chief Clerk</i>				Position District Chief Clerk		
Date JUL 13 1961				Company Phillips Petroleum Company		

Section A.

Operator Phillips Petroleum Company Lease Santa Fe
 Well No. 58 Unit Letter G Section 35 Township 17-S Range 34-E 1884
 Located 1986 Feet From north Line, 1982 Feet From east Line
 County Lea G. L. Elevation (later) Dedicated Acreage 10.13 Acres
 Name of Producing Formation Abu Reef Pool Undesignated

Is the Operator the only owner* in the dedicated acreage outlined on the plat below?

Yes X No

If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation

If the answer to question two is "no," list all the owners and their respective interests below:

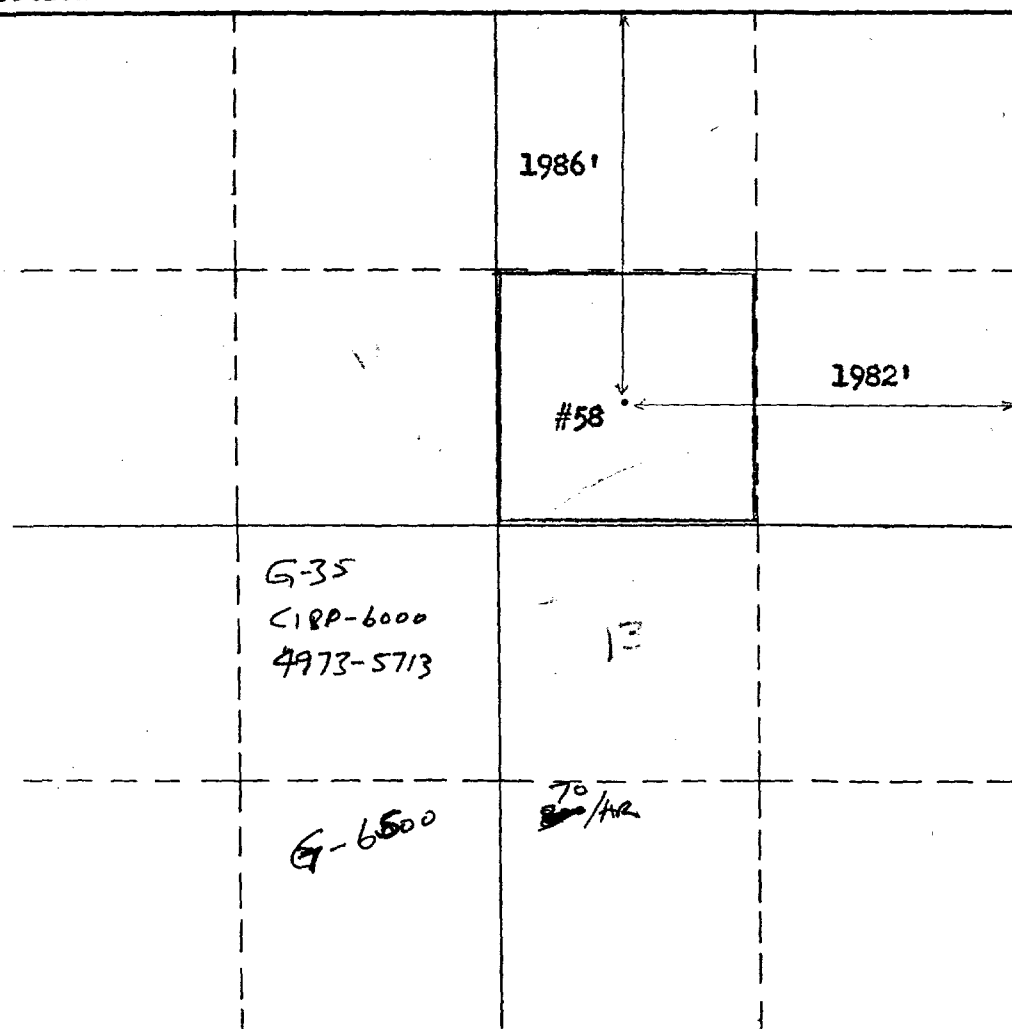
Owner

Land Description

RICE ENGR 505-393-9174

SENE HOCTANA

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Phillips Petroleum Company

(Operator)

W. E. Spry
(Representative)

P.O. Box 2105, Hobbs, N.M.

Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed April 12, 1961

W. E. Spry
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 679

(See instructions for completing this form on the reverse side)

UP 105

APOLLO ENERGY, INC. REPORT OF OIL & GAS INSPECTOR

WELL NO. 105 GAS WELL ☐ OIL WELL ☒
Name of Operator
APOLLO ENERGY, INC.
Address of Operator
P. O. BOX 541, HOMES, NEW MEXICO 88241
Name of well

WELL DEPTH 1080 FEET FROM THE SOUTH LINE AND 660 FEET FROM THE WEST LINE SECTION 36 TOWNSHIP 17S RANGE 35E
B. Elevation (Show whether 10, 11, 12, etc.)
3887 ft.

CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OF OTHER DATA
SUBSEQUENT TO INSPECTION

REPAIRS REQUIRED ☐
TEMPORARILY ABANDON ☐
PULL ON OUTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REPAIRS WORK ☐
FOUNDATIONS DRILLING ONS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☒ CASING LEAK SURVEY

AC CEMENT CASING ☐
PLUG AND ABANDON ☐
OTHER ☒

17. Certify that the information above is true and complete to the best of your knowledge and belief.
(SEE RULE 105)

Casing Leak Survey completed by Oil Conservation Inspector
2:00 P. M., June 21, 1983.

#1 Apollo Energy, Inc. State G-36 36-17-35

4804-5212

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

SIGNED Donald McCallister TITLE Consulting Engineer DATE JUN 23 1983
OIL & GAS INSPECTOR

Testing Method (plug, leak, etc.)	Casing Pressure (shot-in)	Close Size
OIL CONSERVATION DIVISION		
APPROVED <u>JUN 3 1983</u>		
BY <u>ORIGINAL SIGNED BY JERRY SEXTON</u>		
TITLE <u>DISTRICT SUPERVISOR</u>		
This form is to be filled in compliance with RULE 105. If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the device tests taken on the well in accordance with RULE 115. All sections of this form must be filled out completely for all wells on new and recompleted wells. Fill out only Sections I, II, III, and VI for changes of own well name or number, or transportation other such change of credit. Separate forms G-104 must be filled for each pool in multi-section wells.		
June 1, 1983		

SURVEY NOTICES AND REPORTS ON WELLS
DO NOT USE THIS FORM FOR WELLS THAT ARE NOT BEING OPERATED OR FOR WELLS THAT ARE BEING OPERATED BUT ARE NOT BEING SURVEYED.

☒ OIL WELL ☐ GAS WELL ☐ OTHER

Oil-Well Corporation
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N M 88240

Location of Well
UNIT LETTER **L** 1980 FEET FROM THE **South** LINE AND **660** FEET FROM **West** LINE, SECTION **36** TOWNSHIP **17S** RANGE **35E**

THE **West** LINE, SECTION **36** TOWNSHIP **17S** RANGE **35E**

15. Elevation (Show whether DF, RT, GR, etc.) **Lee**

7. Best Approximate Date **State G-36**

8. Name of Leaseholder **State G-36**

9. Well No. **1**

10. Field and Pool, or Villacat **Vacuum GB-SA**

12. County **Lee**

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐

TEMPORARILY ABANDON ☐ CHARGE PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☐

BILL OR ALTER CASING ☐ OTHER ☒ **Acid Treat**

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of starting any proposed work) SEE RULE 1104.

12/26/78 Treated with 3,000 gallons 15% NE acid and flushed with 38 barrels lease oil. Let set overnight. Pulled tubing and packer, ran tubing and rods. 12/28/78 pumped 59 barrels oil and 5 barrels water in 24 hours.

#1 Apollo Energy, Inc.
State G-36 36-17-35

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

SIGNED *[Signature]* DATE **1/2/79**

APPROVED BY **Dale Skopel** DATE **JAN 1 1979**

CONDITIONS OF APPROVAL, IF ANY: Dist 1, Supp

4. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information above is true and complete to the best of my knowledge and belief.

[Signature]
Agent
11/27/78

Testing Interval (feet, back pt.) _____ Tubing Pressure (shut-in) _____

Casing Pressure (shut-in) _____ Casing Size _____

OIL CONSERVATION COMMISSION
APPROVED **NOV 28 1978** BY **Dist 1, Supp**

TITLE **Dist 1, Supp**

This form is to be filed in compliance with RULE 1104. If this is a request for allowance for a new well to be drilled on a leased well, this form must be accompanied by a certification of the well's status taken on the well for compliance with RULE 1104. All operations of this lease must be filed not later than 10 days after the well is completed. Fill out only Section 1, II, III, and VI for change of name, well name, number, or township, or other such change of location.

1. TYPE OF WELL
 2. DATE OF COMPLETION
 3. ADDRESS OF OPERATOR
 4. LOCATION
 5. UNIT LETTER
 6. LOCATION
 7. DATE OF REC.
 8. DATE OF TEST
 9. DATE OF TEST
 10. DATE OF TEST
 11. DATE OF TEST
 12. DATE OF TEST
 13. DATE OF TEST
 14. DATE OF TEST
 15. DATE OF TEST
 16. DATE OF TEST
 17. DATE OF TEST
 18. DATE OF TEST
 19. DATE OF TEST
 20. DATE OF TEST
 21. DATE OF TEST
 22. DATE OF TEST
 23. DATE OF TEST
 24. DATE OF TEST
 25. DATE OF TEST
 26. DATE OF TEST
 27. DATE OF TEST
 28. DATE OF TEST
 29. DATE OF TEST
 30. DATE OF TEST
 31. DATE OF TEST
 32. DATE OF TEST
 33. DATE OF TEST
 34. DATE OF TEST
 35. DATE OF TEST
 36. DATE OF TEST
 37. DATE OF TEST
 38. DATE OF TEST
 39. DATE OF TEST
 40. DATE OF TEST
 41. DATE OF TEST
 42. DATE OF TEST
 43. DATE OF TEST
 44. DATE OF TEST
 45. DATE OF TEST
 46. DATE OF TEST
 47. DATE OF TEST
 48. DATE OF TEST
 49. DATE OF TEST
 50. DATE OF TEST
 51. DATE OF TEST
 52. DATE OF TEST
 53. DATE OF TEST
 54. DATE OF TEST
 55. DATE OF TEST
 56. DATE OF TEST
 57. DATE OF TEST
 58. DATE OF TEST
 59. DATE OF TEST
 60. DATE OF TEST
 61. DATE OF TEST
 62. DATE OF TEST
 63. DATE OF TEST
 64. DATE OF TEST
 65. DATE OF TEST
 66. DATE OF TEST
 67. DATE OF TEST
 68. DATE OF TEST
 69. DATE OF TEST
 70. DATE OF TEST
 71. DATE OF TEST
 72. DATE OF TEST
 73. DATE OF TEST
 74. DATE OF TEST
 75. DATE OF TEST
 76. DATE OF TEST
 77. DATE OF TEST
 78. DATE OF TEST
 79. DATE OF TEST
 80. DATE OF TEST
 81. DATE OF TEST
 82. DATE OF TEST
 83. DATE OF TEST
 84. DATE OF TEST
 85. DATE OF TEST
 86. DATE OF TEST
 87. DATE OF TEST
 88. DATE OF TEST
 89. DATE OF TEST
 90. DATE OF TEST
 91. DATE OF TEST
 92. DATE OF TEST
 93. DATE OF TEST
 94. DATE OF TEST
 95. DATE OF TEST
 96. DATE OF TEST
 97. DATE OF TEST
 98. DATE OF TEST
 99. DATE OF TEST
 100. DATE OF TEST

#1 Apollo Energy, Inc.
 State G-36
 36-17-35

only for all
 use of own
 of oil and
 in multi

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

SIGNED Jack Pharis TITLE PARTNER DATE 8-16-73

TESTING METHOD (piston, back pr.) _____ TUBING PRESSURE (Shut-In) _____ COILING PRESSURE (Shut-In) _____ CHOKE SIZE _____

APPROVED BY Jack Pharis TITLE PARTNER DATE 8-16-73

OIL CONSERVATION COMMISSION

This form is to be filled in compliance with M.U.C. 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with M.U.C. 111. All sections of this form must be filled out completely for allow-

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Owner V. E. Westbrook
 2. Name of Operator P. O. Box 2264, Hollis, N.H. 03040
 3. Location of Well Unit Letter L
 4. Section 36 Township 17S Range 35E
 5. Elevation (Show whether DP, RT, GR, etc.) 3887 GL
 6. State 0-36
 7. Well No. 1
 8. Name of Lease Lea
 9. Name of Lease 3687 GL
 10. Name of Lease 3687 GL
 11. Name of Lease 3687 GL
 12. Name of Lease 3687 GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PERFORM REMEDIAL WORK ☐ ALTERING CASING ☐
 TEMPORARILY ABANDON ☐ PERFORM REMEDIAL WORK ☐ COMMENCE DRILLING OPER. ☐ WELLS AND ABANDONMENT ☐
 PULL OR ALTER CASING ☐ PERFORM REMEDIAL WORK ☐ CASING TEST AND EJECTMENT JOB ☐
 OTHER ☐

17. (For Use in Uncompleted or Completed Operations) (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108.

Drilled out cement in 4" OD liner from 472' to 4932'. Perforated 4,990 to 4910 with 1 shot per foot. Acidized with 3000 Gals. HCL Acid. Put well back on production 8-10-75.

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

SIGNED V. E. Westbrook TITLE Operator DATE 8-12-75
 OPER. SIGNED BY John Rangan TITLE Geologist DATE Aug. 21 1975
 APPROVED BY Geologist
 CONDITIONS OF APPROVAL, IF ANY:

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John Rangan (Signature)
 TITLE Geologist

APPROVED John Rangan 19
 BY John Rangan
 TITLE Geologist

This form is to be filled in compliance with RULE 1104. If this is a request for allowance for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowance.

OIL CONSERVATION COMMISSION

APPROVED John Rangan 19
 BY John Rangan
 TITLE Geologist

This form is to be filled in compliance with RULE 1104. If this is a request for allowance for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. All sections of this form must be filled out completely for allowance.

Apollo Energy, Inc.
 State G-36

36-17-35

paper
 label
 only for all
 use of own
 e of conditi
 not in multi

SUNDY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR THE PURPOSES OF THE OIL CONSERVATION COMMISSION. IT IS FOR THE USE OF THE OIL INDUSTRY ONLY.

1. ☐ WELL ☐ GAS ☐ OTHER

2. Name of Operator
V. H. Westbrook

3. Address of Operator
P. O. Box 2264 Hobbs, NM 88240

4. Location of well
UNIT LETTER **L** LINE **660** FEET FROM THE **West** TOWNSHIP **17S** RANGE **35E**
THE **South** LINE SECTION **36**

5. Direction (Show whether NE, SE, SW, NW, etc.)
3887 GL

6. Field and Lease or Well No.
State C-36

7. County
Lea

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

NOTICE OF INTENTION TO:

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

REPAIR WORK ☐ ALTERING CASING ☐ PLUG AND ABANDON ☐ CASTING TEST AND CEMENT JOB ☐ OTHER ☐

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.

Drill out 35' of cement in 4" OD liner @ 4872 and perforate from 4890' to 4910' with 1 shot per foot, acidize w/3000 Gals. 15% NE Acid and test.

#1 Apollo Energy, Inc. State G-36 36-17-35

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

SIGNED **V. H. Westbrook** TITLE **Operator** DATE **8-4-75**

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Testing Method (pilot, back p.) _____ Tubing Pressure (Shot-In) _____

Casing Pressure (Shot-In) _____ Choke Size _____

OIL CONSERVATION COMMISSION

APPROVED _____ BY **[Signature]** TITLE _____

This form is to be filed in compliance with RULE 1103. If this is a request for allowance for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 1111. All sections of this form must be filled out completely for allowance.

(DO NOT USE THIS FORM FOR NOTICES TO OWNERS OF WELLS OR FOR NOTICES TO ADJUDICATE IN REMEDIAL WORK.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	2. Unit Agreement Name State G-36
3. Name of Operator V. H. Westbrook	4. Name of Lessee State G-36
5. Address of Operator P. O. Box 2264, Hobbs, New Mexico 88240	6. Well No. 1
7. Location of Well UNIT LETTER L 660 WEST 1980	8. Field and Pool, or Wildcat Vacuum-San Andres
9. THE South 36 17S 35E NMPM	10. County Lea
11. Elevation (Show whether DF, RT, CR, etc.)	

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

PERFORM REMEDIAL WORK	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CONDUCE DRILLING OPER.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CACING TEST AND CEMENT JOB	
OTHER	OTHER	

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

- 12-18-74 Pulled rods & tubing. Ran cement retainer.
- 12-20-74 Squeezed perforations from 4804 to 5220 with 350 sks. cement. S. I. well 48 hrs.
- Drilled out cement retainer & cement from 4720 to 4886.
- 12-22-74 Logged & re-perforated from 4804 to 4886.
- 12-23-74 Fract w/30,000 gals. brine & 30,000 lbs. sand. S. I. well.
- 12-26-74 Swabbed well down.
- 12-28-74 Put back on pump.

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

SIGNED V. H. Westbrook TITLE Operator DATE 1-22-75

APPROVED BY Joe D. Ramey TITLE Ext. 1
CONDITIONS OF APPROVAL, IF ANY:

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Joe D. Ramey (Signature)
TITLE

OIL CONSERVATION COMMISSION

APPROVED BY Joe D. Ramey DATE 1-22-75

This form is to be filed in compliance with RULE 1104.
If this is a request for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allow-

DO NOT USE THIS FORM FOR SUNDRIES AND REPORTS ON WELLS.
USE THIS FORM FOR THE PURPOSES OF THE OIL CONSERVATION COMMISSION.

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
V. H. Westbrook

3. Address of Operator
P. O. Box 2264, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER **L** FEET FROM THE **West** LINE AND **1980** FEET FROM **MAPM.**
THE **South** LINE, SECTION **36** TOWNSHIP **17N** RANGE **35E**
15. Elevation (Show whether DI, RT, GR, etc.)
3887 GL

7. Unit Agreement Name
State G-36

8. Term or License Name
I

9. Well No.
Vacuum-San Andrea

10. Field and Pool, or Village
Leg

12. County
Leg

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ OTHER ☐

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.

Squeeze perfs from 4804' to 5220. Drill out cement and re-perforate from 4804 to 4886.
Frac with 30,000 gallons Mod Brine and 45,000 # 10-20 sand.

Apollo Energy, Inc.
State G-36
Petro-L
36-17-35

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

SIGNED V. H. Westbrook TITLE Owner/Operator DATE 12-9-74

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

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

V. H. Westbrook
(Signature)

(Title)

APPROVED BY V. H. Westbrook DATE 12-9-74

TITLE Owner/Operator

OIL CONSERVATION COMMISSION

Casing Pressure (Shut-In) _____ Choke Size _____
Tubing Pressure (Shut-In) _____

Testing Method (piston, back pr.) _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allow-

STATE OF TEXAS
 DEPARTMENT OF AGRICULTURE
 REQUEST FOR PERMIT TO OIL AND NATURAL GAS
 AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

LAND STATE
 FILE
 U.S.G.S.
 LAND OFFICE
 TRANSPORTER
 OIL
 GAS
 OPERATOR
 PROPRATOR
 Operator

Reason(s) for filing (Check proper box):
 New Well ☐ Change In Transporter of:
 Recompletion ☐ Oil ☐ Dry Gas ☐
 Change In Completion ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain):
 CASHED FOR 10/12/73
 UNLESS AN APPLICATION TO RE-APPLY
 IS ON FILE

If change of ownership give name and address of previous owner

Well No. Pool Name, Including Formation
 Lease No.
 Kind of Lease
 State, Federal or Fee
 Lease No.

Location
 Unit Letter 660 Feet From The 600 Line and 1700 Feet From The 6000
 Township 17 Range 17 NMPM, 1700 County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐
 Address (Give address to which approved copy of this form is to be sent)
 Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐
 Address (Give address to which approved copy of this form is to be sent)
 If well produces oil or liquids, give location of tanks.
 Unit Sec. Twp. Rge. Is gas actually connected? When

IV. COMPLETION DATA

If this production is commingled with that from any other lease or pool, give commingling order number:

Designate Type of Completion - (X)
 Date Spud Date
 Date Complet. Ready to Prod.
 Name of Producing Formation
 Top Oil/Gas Pay
 Total Depth
 P.B.T.D.
 Tubing Depth
 Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

CASING & TUBING SIZE DEPTH SET SACKS CEMENT

P-05143-002

SUNDAY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR ANY OTHER PURPOSES. IT IS THE PROPERTY OF THE STATE OF TEXAS AND IS LOANED TO YOU BY THE STATE OF TEXAS. IT IS TO BE RETURNED TO THE STATE OF TEXAS WHEN YOU ARE THROUGH WITH IT.

1. Name of Operator M & W Operating Company	2. State of Operator State G-36
3. Address of Operator Box 922 Lovington, New Mexico 88260	4. Location of Well Unit Letter Z
5. Line, Section, Township, Range, and Meridian Line 36, Section 36, Township 17S, Range 35E, Meridian 1980	6. Name of Well Vacuum
7. Date of Report 1987	8. Name of Reporter Lee

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 ☐

OTHER ☐

PLUG AND ABANDON ☐

CONDUIT DRILLING OPER. ☐

CA THE TEST AND CEMENT JOB ☒

OTHER ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

OTHER ☐

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 103.)

Drilled out plugs and into 5 1/2" casing onto top of 5 1/2" pipe at 1340". Tied 1340" of 14 1/2" casing unto old casing with casing bowl. Tested to 2000# & held. Drill out balance of plugs and drilled 4 3/4" hole from 4872" to 5218". Set 4" flush joint liner from 4872" to 5218" and cement with 50 sbs of cement, test to 2000# and held. Drill out and perforate from 4881' to 4914' with 1 shot per ft. and 5012' to 5212' with 1 shot. per ft. Wash perforations and acidized with 2000 gal. 15% HCl. acid. Completed the above work 8-3-1973.

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

DATE 8-12-73

TITLE Partner

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

MUDGING AND CEMENTING RECORD

SIZE OF HOLE	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
--------------	-----------	--------------------	-------------	-------------	--------------------

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	13"	40#	22'	175	3834
6-3/4"	5-1/2"	17#	48 1/2'	425	3837

Drill out plugs and into 5-1/2" casing, dress top of 5-1/2" pipe. Run 5-1/2" casing with a self sealing casing bowl and latch onto pipe. Drill out ballance of plug and new hole to a total dept of 5230'. Run and cement 4-1/2" flush joint liner, using 150 sacks of cement. Incorporate well from 5110' to 5225', using 3 shots per foot. We will run blow out prevent on 5-1/2" casing after tying onto old pipe.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEVELOP OR BUILD, GIVE DATA ON PRESENT PRODUCTIVE TIME AND PROPOSED NEW PRODUCTION TIME. IF TO CONDUCT RESEARCH, GIVE BUDGET RESEARCH PROGRAM, IF ANY.

Title Partner Date July 11, 1973

APPROVED BY _____ TITLE _____
DATE _____

L O A T F .

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
-----------------	-------------------	-----------	-----------------------	-------------	-------------	--------------------

#1 Apollo Energy, Inc.
State G-2

36-17-35

By A. J. Jett Co. 17 36 1980

Section 1 Page 1 of 1

Well No. 1980 Section 17 Township 36 Range 1

Ground Level Elev. 5837 Feet

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

John W. Wilson

Page 1 of 1

Date May 15, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

1980

1980

0 330 660 990 1320 1650 1980 2310 2640 2970 3300

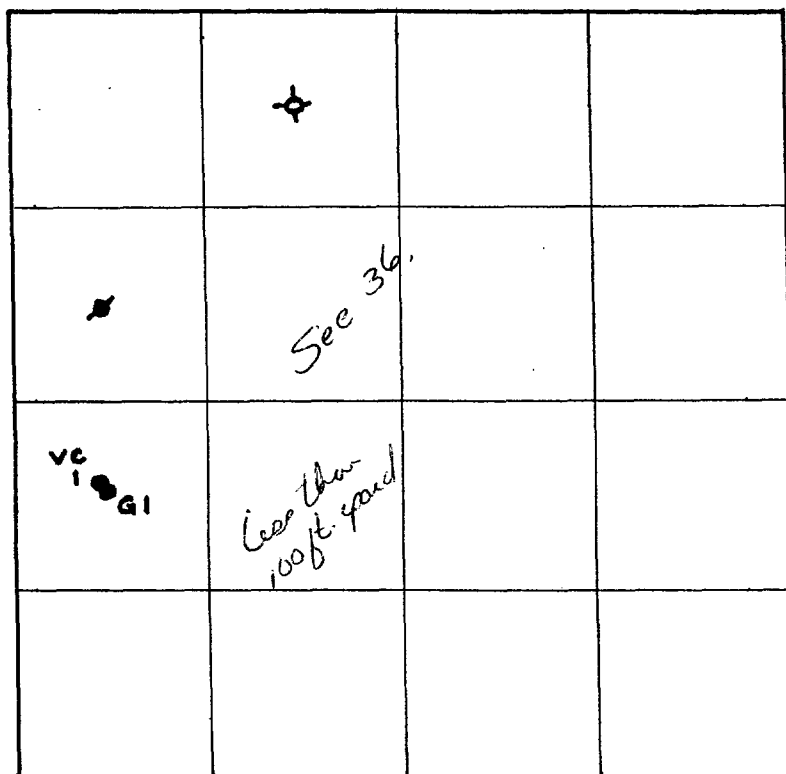
MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHOLE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	15"	240'	175	Ballburton	80	
8-3/4"	8-1/2"	4379'	425			

Having plug Material _____ Length _____ Depth Set _____

Adapters Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT



SEC 36 T17S R35E

VC NO. 1: 2050.7' FSL & 589.3' FWL
 G NO. 1: 1980.0' FSL & 660.0' FWL

DISTANCE BETWEEN
 WELLS = 99.98'

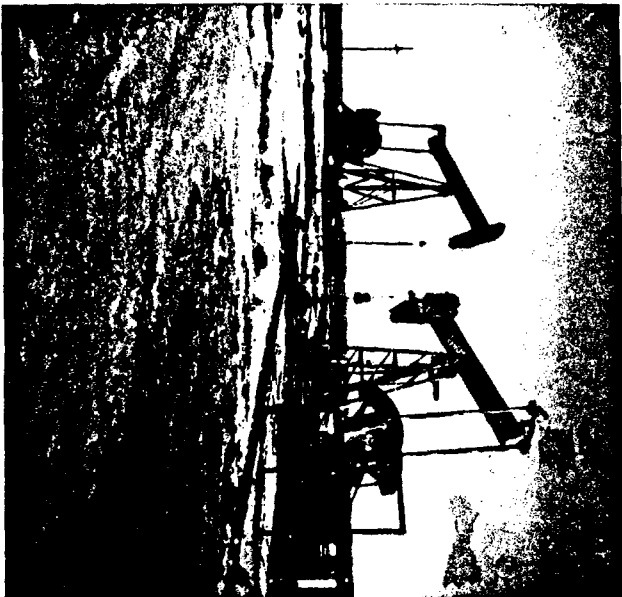
BEFORE EXAMINER CATANACH
 OIL CONSERVATION DIVISION

342 EXHIBIT NO. 1

CASE NO. 8876-8761

SOUTHWESTERN, INC.

SOUTHWESTERN
VC NO. 1



APOLLO ST G 36 NO. 1

SOUTHWESTERN, INC.

State VC Well No. 1.
2050.7 feet from South line and 589.3 feet from West line
Section 36, Township 17 South, Range 35 East, NMPM
East Vacuum-Abo Pool, Lea County, New Mexico

Well Data

Surface Casing	17 1/4" hole drld to 305'; 13 3/8" 36# csg set @ 296', cmtd w/ 300 sx reg cmt. Cmt circ to surf.
Intermediate Casing	11" hole drld to 4583'; 8 5/8" OD 24# & 32# csg set @ 4583', cmtd w/ 1400 sx 50/50 pozmix w/ 2% gel and 100 sx reg cmt. Top cmt by temp survey 2348'.
Production casing	7 7/8" hole drld to 9075'; 5 1/2" 15.5# & 17# liner set @ 9072' and cmtd w/ 8 5/8" x 5 1/2" Brown Type C Liner Hanger set @ 4510'; Cmtd btm of liner w/ 460 sx 50/50 pozmix w/ 4% gel and 100 sx latex cmt; Cmtd top of liner w/ 200 sx reg cmt, left 50' cmt inside 8 5/8" csg. No cmt top rptd.
Completion	Perforated Abo formation 8890' to 8910' and placed on production.

8917-8930'

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<u>540</u>	EXHIBIT NO. <u>2</u>
CASE NO. <u>8761-8876</u>	

AMERADA BOTTOM-HOLE PRESSURE-TEMPERATURE REPORT

R.P.G. 3 NO. 4397 CLOCK NO. 3253 SPEED 3 HR. LEASE State V."C" WELL NO. 1
 ELEMENT NO. 11279 RANGE 50-178 CORR. TO - °F. LOCATION Wildcat - Lea County, New Mexico
 RUN BY DR/JBM CALCULATED BY JBM REPORTED BY JBM DATE RUN 12-6-60 TIME 1:15 PM PULLED 12-6-60 TIME 3:00 PM

WELL DATA

POTENTIAL: CHOKE OIL WATER G.O.R. ZONE TOP BOTTOM T.D.
 HOW PRODUCED P.I. CASING 8-5/8" DEPTH 4583' TUBING DEPTH
 HOURS SHUT IN WELL HEAD PRESS.: CAS. TUB TOP LINER PERFORATIONS
 LAST RESERVOIR PRESSURE DEPTH DATE ELEVATION GRAVITY OF OIL SP. GR. OF GAS

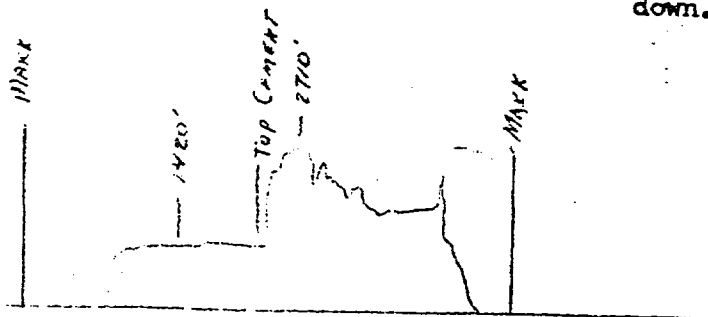
TEST RECORD

PURPOSE OF TEST To determine top of cement behind 8-5/8" OD Casing

TIME	DEPTH	TEMP.			REMARKS
1:00	0	26	Mark Chart		<u>Hole Size - 11"</u>
1:29	1420	84			
1:44	2331	85	Top Cement		<u>Centralizers - 3 Howco</u>
1:51	2710	121	Max. Temp.		
2:30	0	26	Mark Chart		<u>Scratchers - 50' Howco Roto-Wall</u>
					<u>Casing - 110 Jts of 8-5/8" OD 24 & 32#</u>
					<u>Cement - 1400 Sx. 50% Pozmix and 50% Regular 2% jel, 100 Sx. reg.</u>
Top of Cement		2348'			<u>Remarks - Max. pump press. 900#, rotated casing until cement equalized. Plug down @ 7:10 AM 12-6-60</u>
Actual Fill		2235'			
Calculated Fill		6948'			
Percent Fill		32.2%			

EXPLANATIONS OR CHART

Survey - Made continuous survey @ 50'/min. from 1000' 3800'. Started survey 6 hours after plug was down.



BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

SW

EXHIBIT NO.

3

CASE NO.

8761-8876

SOUTHWESTERN, INC.

State VC Well No. 1
2050.7 feet from South line and 589.3 feet from West line
Section 36, Township 17 South, Range 35 East, NMPM
East Vacuum-Abo Pool, Lea County, New Mexico

Cementing Data, Production Liner

First Stage:

Mix 460 sacks of the following cement blend:

Class "H" 50/50 Pozmix "A" containing 4% gel

Slurry Weight - 13.60 lb/gal
Slurry Volume - 1.43 cu ft/sk
Water Ratio - 6.95 gal/sk

Tail-in with 100 sacks of the following cement blend:

Latex Cement

Slurry Weight - 14.5 lb/gal
Slurry Volume - 1.4 cu ft/sk
Water Ratio - 6.0 gal/sk

Liner Top Squeeze:

Squeeze the liner top with 200 sacks Class "H" Cement

Slurry Weight - 15.6 lb/gal
Slurry Volume - 1.18 cu ft/sk
Water Ratio - 5.2 gal/sk

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<u>SW</u>	EXHIBIT NO. <u>4</u>
CASE NO. <u>8761-8876</u>	

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



MICROLOGGING®

COUNTY LEA
FIELD or LOCATION WILDCAT
WELL STATE V "C" 1
COMPANY AMERADA PETROLEUM CORPORATION

COMPANY AMERADA PETROLEUM

CORPORATION

WELL STATE V "C" 1

FIELD WILDCAT

LOCATION SEC. 26 T7S 35E

COUNTY LEA

STATE NEW MEXICO

Other Surveys

SGRITES

5

Location of Well

2050.7' FROM S/L

582.3' FROM W/L

Elevation: D.F.: 320.

g.c. K.B.: 3405
or G.L.: 3803

Log Depths Measured From 1 B 2 Ft. above GL

RUN No.	ONE		
Date	1-13-61		
First Reading	3072		
Last Reading	4584		
Feet Measured	4488		
Depth Reached	3073		
Bottom Driller	3075		
Mud Nat.	CHCM		
Dens.	1	52	
Visc.			
Mud Resist.	1.36 @ 7 °F	@ °F	@ °F
" Res. BHT	74 @ 138 °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F
" Wtr. Loss	8.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	1.20 @ 67 °F	@ °F	@ °F
" Rmc	@ °F	@ °F	@ °F
Mud Log: Rm	75		
Depth	8950		
Bit Size	7 7/8"		
Sonde Type	PMS-1		
Pad Type	H		
Opr. Rig Time	3 HOURS		
Truck No.	2526-HOBBS		
Recorded By	WILSON		
Witness	SWANSON		

SOUTHWESTERN, INC.

State VC Well No. 1

2050.7 feet from South line and 589.3 feet from West line

Section 36, Township 17 South, Range 35 East, NMPM

East Vacuum-Abo Pool, Lea County, New Mexico

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

SW

Well No. 6

8761-8876

CALIPER LOG AND CEMENT FILL-UP CALCULATIONS
7 7/8" Bit, 5 1/2" Casing

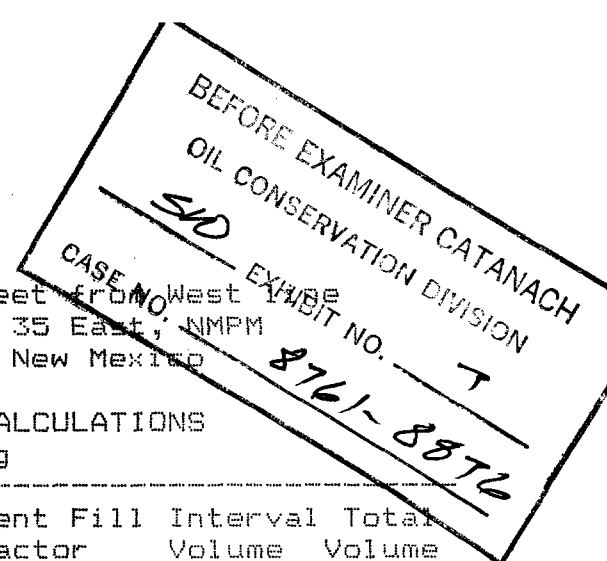
Caliper Log Top Ft.	Interval Bottom Ft.	Length of Interval	Hole Size in Inches	Cement Fill Factor Cu.Ft./Ft	Interval Volume Cu.Ft.	Total Volume Cu.Ft.
4585	4600	15	10 1/2	.4363	6.54	1344.97
4600	4670	70	10 7/8	.4801	33.61	1338.43
4670	4780	110	10 1/4	.4080	44.88	1304.82
4780	4830	50	11 1/2	.5563	27.82	1259.94
4830	4910	80	9 3/4	.3535	28.28	1232.12
4910	4970	60	11	.4950	29.70	1203.84
4970	5050	80	10 1/4	.4080	32.64	1174.14
5050	5150	100	9 3/4	.3535	35.35	1141.50
5150	5250	100	9 1/2	.3272	32.72	1106.15
5250	5350	100	10	.3804	38.04	1073.43
5350	5500	150	9 1/4	.3017	45.26	1035.39
5500	5800	300	9 1/2	.3272	98.16	990.13
5800	5880	80	10 1/2	.4363	34.90	891.97
5880	5910	30	9 1/4	.3017	9.05	857.07
5910	5950	40	10 1/4	.4080	16.32	848.02
5950	6020	70	10	.3804	26.63	831.70
6020	6100	80	9	.2768	22.14	805.07
6100	6380	280	8 1/2	.2291	64.15	782.93
6380	6600	220	8 3/8	.2176	47.87	718.78
6600	6650	50	10 1/4	.4080	20.40	670.91
6650	6750	100	9 3/4	.3535	35.35	650.51
6750	6800	50	11	.4950	24.75	615.16
6800	6910	110	8 3/4	.2526	27.79	590.41
6910	6970	60	9	.2768	16.61	562.62
6970	7200	230	8 1/2	.2291	52.69	546.01
7200	7350	150	8 3/8	.2176	32.64	493.32
7350	7700	350	8 1/2	.2291	80.19	460.68
7700	7750	50	9	.2768	13.84	380.49
7750	7850	100	8 3/4	.2526	25.26	366.65
7850	8100	250	8 5/8	.2407	60.18	341.39
8100	8200	100	9 3/8	.3144	31.44	281.21
8200	8260	60	9 7/8	.3669	22.01	249.77
8260	8310	50	10 7/8	.4801	24.01	227.76
8310	8350	40	9 1/2	.3272	13.09	203.75
8350	8400	50	9 5/8	.3403	17.02	190.66
8400	8480	80	10 1/2	.4363	34.90	173.64
8480	8550	70	9 3/4	.3535	24.75	138.74
8550	8750	200	8 1/4	.2062	41.24	113.99
8750	8770	20	8 7/8	.2646	5.29	72.75
8770	8920	150	8 3/8	.2176	32.64	67.46
8920	9072	152	8 1/2	.2291	34.82	34.82

782

SOUTHWESTERN, INC.

State VC Well No. 1
2050.7 feet from South line and 589.3 feet from West line
Section 36, Township 17 South, Range 35 East, NMPM
East Vacuum-Abo Pool, Lea County, New Mexico

CALIPER LOG AND CEMENT FILL-UP CALCULATIONS 7 7/8" Bit, 5 1/2 " Casing



Caliper Top Ft.	Log Bottom Ft.	Interval Length of Interval	Hole Size in Inches	Cement Fill Factor Cu.Ft./Ft	Interval Volume Cu.Ft.	Total Volume Cu.Ft.
4585	4600	15	10 1/2	.4363	6.54	6.54
4600	4670	70	10 7/8	.4801	33.61	40.15
4670	4780	110	10 1/4	.4080	44.88	85.03
4780	4830	50	11 1/2	.5563	27.82	112.85
4830	4910	80	9 3/4	.3535	28.28	141.14
4910	4970	60	11	.4950	29.70	170.83
4970	5050	80	10 1/4	.4080	32.64	203.47
5050	5150	100	9 3/4	.3535	35.35	238.82
5150	5250	100	9 1/2	.3272	32.72	271.54
5250	5350	100	10	.3804	38.04	309.58
5350	5500	150	9 1/4	.3017	45.26	354.84
5500	5800	300	9 1/2	.3272	98.16	453.00
5800	5880	80	10 1/2	.4363	34.90	487.90
5880	5910	30	9 1/4	.3017	9.05	496.95
5910	5950	40	10 1/4	.4080	16.32	513.27
5950	6020	70	10	.3804	26.63	539.90
6020	6100	80	9	.2768	22.14	562.04
6100	6380	280	8 1/2	.2291	64.15	626.19
6380	6600	220	8 3/8	.2176	47.87	674.06
6600	6650	50	10 1/4	.4080	20.40	694.46
6650	6750	100	9 3/4	.3535	35.35	729.81
6750	6800	50	11	.4950	24.75	754.56
6800	6910	110	8 3/4	.2526	27.79	782.35
6910	6970	60	9	.2768	16.61	798.96
6970	7200	230	8 1/2	.2291	52.69	851.65
7200	7350	150	8 3/8	.2176	32.64	884.29
7350	7700	350	8 1/2	.2291	80.19	964.48
7700	7750	50	9	.2768	13.84	978.32
7750	7850	100	8 3/4	.2526	25.26	1003.58
7850	8100	250	8 5/8	.2407	60.18	1063.76
8100	8200	100	9 3/8	.3144	31.44	1095.20
8200	8260	60	9 7/8	.3669	22.01	1117.21
8260	8310	50	10 7/8	.4801	24.01	1141.22
8310	8350	40	9 1/2	.3272	13.09	1154.31
8350	8400	50	9 5/8	.3403	17.02	1171.33
8400	8480	80	10 1/2	.4363	34.90	1206.23
8480	8550	70	9 3/4	.3535	24.75	1230.98
8550	8750	200	8 1/4	.2062	41.24	1272.22
8750	8770	20	8 7/8	.2646	5.29	1277.51
8770	8920	150	8 3/8	.2176	32.64	1310.15
8920	9072	152	8 1/2	.2291	34.82	1344.97

SOUTHWESTERN, INC.

State VC Well No. 1
2050.7 feet from South line and 589.3 feet from West line
Section 36, Township 17 South, Range 35 East, NMPM
East Vacuum-Abo Pool, Lea County, New Mexico

TOC and HOC DETERMINATIONS

Primary Cement Job (Bottom of Liner)

460 sacks 50/50 Pozmix w/ 4% gel
Slurry volume factor 1.43 cu ft/sk

$460 \times 1.43 = 657.8$ cu ft slurry

100 sacks Latex cement
Slurry volume factor 1.4 cu ft/sk

$100 \times 1.4 = 140$ cu ft slurry

Total slurry volume

658

140

798 cu ft

Condition 1

Condition 2

Slurry Volume	TOC	HOC	TOC	HOC
798 cu ft	6046'	3026'	6651'	2421'

Liner Squeeze (Top of Liner)

200 sacks regular (Class H) cement
Slurry volume factor 1.18 cu ft/sk

$200 \times 1.18 = 236$ cu ft slurry

50 feet of cement left in 8 5/8" casing
 $50 \text{ lin ft} / 2.922 \text{ cu ft/lin ft} = 17.1$ cu ft

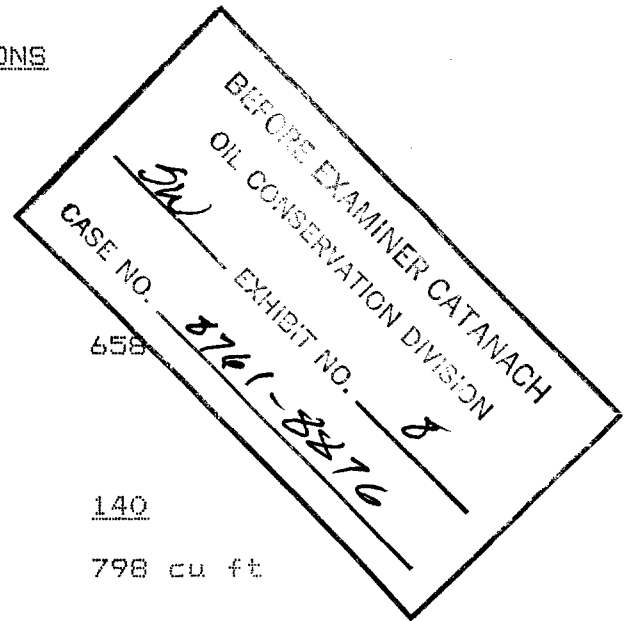
Slurry volume available for squeeze = $236 - 17.1 = 218.9$ cu ft

Condition 1

Condition 2

Slurry Volume	BOC	HOC	BOC	HOC
219 cu ft	5094'	509'	4992'	407'

Condition 1 assumes 0 percent excess for slurry volume shrinkage
Condition 2 assumes 20 percent excess for slurry volume shrinkage



SOUTHWESTERN, INC
STATE VC
NO. 1
L-36-17-35

17 $\frac{1}{4}$ " hole 13 $\frac{3}{8}$ " surf csq @ 296' w/ 300 SX
Cmt circ to surf

Liner hanger @ 4510'

11" hole to 4583; 8 $\frac{5}{8}$ " csq @ 4583' w/ 1500 SX
Top cmt 2348' by temp survey

Liner top squeezed w/ 200 SX

Bottom cmt. between
4992' and 5094'

PROPOSED
DISPOSAL
ZONE
4804'-5212'

220' g pipe
exposed to water

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

SW EXHIBIT NO. 9

CASE NO. 8761-8876

7 $\frac{3}{8}$ " hole to 9075'
5 $\frac{1}{2}$ " liner set @ 9072; cmt'd at bottom w/ 560 SX
Top cmt between 6046' and 6651'

McLEHANT

397-3596

TOM O'CAIN

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

RECEIVED

OCT 29 1985

IN THE MATTER OF THE APPLICATION
OF CHAVEROO OPERATING COMPANY,
FOR SALT WATER DISPOSAL, LEA
COUNTY, NEW MEXICO.

OIL CONSERVATION DIVISION

CASE:

A P P L I C A T I O N

Comes now Chaveroo Operating Company, by and through its attorneys, Kellahin & Kellahin, and applies to the New Mexico Oil Conservation Division for authority to dispose of produced salt water into the Vacuum Grayburg-San Andres Pool in the perforated intervals from 4804 feet to 5212 feet in its State G-36 Well #1, located in Unit L, 1980 feet from the South line and 660 feet from the East line of Section 36, T17S, R35E, NMPM, Lea County, and in support thereof would show:

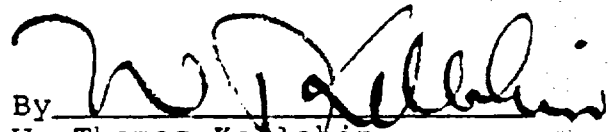
1. Applicant is the operator of its well located in Unit L of Section 36, T17S, R35E, Lea County, New Mexico.

2. Applicant seeks to convert the subject well to a salt water disposal well in the Vacuum Grayburg-San Andres Pool through perforations at 4804 feet to 5212 feet.

3. Applicant is preparing Division Form C-108 and will submit that application separately from this application.

4. Wherefore, Applicant requests that this application be set for hearing and that after notice and hearing the application be granted.

Kellahin & Kellahin

By 

W. Thomas Kellahin

P. O. Box 2265

Santa Fe, New Mexico 87501

(505) 982-4285