

DATE IN <u>4/25/11</u>	SUSPENSE	ENGINEER <u>WJ</u>	LOGGED IN <u>4/25/11</u>	TYPE <u>SWD</u>	APP NO <u>1111543507</u>
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PTG-W 9016
1288
Sorry!

6/16/11
Release Note
From SONNY
SWAZED
FOR Y. ISSUE

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



Sundown Energy
RECEIVED OGD 232611
Kochia AAM State #1
30-025-28905

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____

306892
16530
Dean, Devonian
97581
wildcat Penn

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

David Catanach
Print or Type Name

David Catanach
Signature

Agent-Sundown Energy L.P.
Title

4/25/11
Date

drcatanach@netscape.com
E-Mail Address

April 25, 2011

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, CPG
Division Director

HAND DELIVERED

Re: Form C-108
Sundown Energy, L.P.
Kochia AAM State Well No. 1
API No. 30-025-28905
990' FSL & 2310' FEL (Unit O)
Section 35, T-15 South, R-36 East, NMPM,
Lea County, New Mexico

Dear Ms. Bailey,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) to convert the Kochia AAM State Well No. 1 to a produced water disposal well. Sundown Energy, L.P. proposes to sidetrack and deepen the subject well from its current depth of 13,800 feet to 14,500 feet and inject into the lower Devonian interval from approximately 13,800'-14,500'. Produced water originating from Sundown Energy, L.P. Devonian producing wells in the area will be injected into the subject well.

All the required information is enclosed. If additional information is needed, please contact me at (505) 690-9453.

Sincerely,



David Catanach
Agent for Sundown Energy, L.P.
13455 Noel Road, Suite 2000
Dallas, Texas 75240

Xc: OCD-Hobbs

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? Yes _____ No
- II. OPERATOR: Sundown Energy, L.P. (OGRID-232611)
ADDRESS: 13455 Noel Road, Suite 2000 Dallas, Texas 75240
CONTACT PARTY: David Catanach-Agent PHONE: (505) 690-9453
- 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources 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 sources 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: David Catanach TITLE: Agent-Sundown Energy, L.P.
SIGNATURE:  DATE: 4/25/11
- E-MAIL ADDRESS: drcatanach@netscape.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

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

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

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

C-108 Application
Sundown Energy, L.P.
Kochia AAM State No. 1
API No. 30-025-28905
990' FSL & 2310' FEL (Unit O)
Section 35, T-15S, R-36E, NMPM
Lea County, New Mexico

30-025-28905

- I. The purpose of the application is to request approval to convert the Kochia AAM State Well No. 1 to a produced water disposal well in the Devonian formation.
- II. Sundown Energy, L.P. ("Sundown")
13455 Noel Road
Suite 2000
Dallas, Texas 75240
Contact Party: Mr. David Catanach (505) 690-9453
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration are attached.
- IV. This is not an expansion of an existing project.
- V. Enclosed are maps that identify all wells/leases within a 2-mile radius of the proposed disposal well and a map that identifies the ½ mile "Area of Review" ("AOR").
- VI. AOR well data is attached. Well construction data is included for all existing wells within the AOR. Also included are wellbore diagrams for each PA'd well within the AOR. Sundown proposes to inject into the Devonian interval from 13,800' -14,500' which is below the oil/water contact in this reservoir. An examination of the well completion and plugging data indicates that all AOR wells are adequately cased, cemented and/or plugged and abandoned in order to preclude the movement of fluid from the injection zone into any fresh water aquifers.
- VII.
 1. The average injection rate is anticipated to be approximately 1,500 BWPD. The maximum rate will be approximately 2,500 BWPD. If the average or maximum rates increase in the future, the Division will be notified.
 2. This will be a closed system.
 3. Sundown Energy, L.P. will initially inject water into the subject well at a surface pressure that is in compliance with the Division's limit of 0.2 psi/ft., or 2,760 psi. Subsequent to obtaining approval for injection, a step

rate injection test may be conducted on the subject well, if necessary, in order to obtain a higher surface injection pressure.

4. Produced water from the Dean-Devonian Pool originating from Sundown Energy, L.P. operated wells in this area will be injected into the subject well.
5. Injection is to occur into a formation that is oil productive.

VIII. Geologic Age: Devonian
Geologic Name: Devonian
Gross Thickness: Unknown. No wells penetrate the base of the Devonian. (Top of Devonian in the Kochia AAM State No. 1 occurs at a depth of 13,592')
Lithology: Limestone & Chert
USDW's: Ogallala is present at a maximum depth of 165' according to attached data obtained from the New Mexico State Engineer's Office.

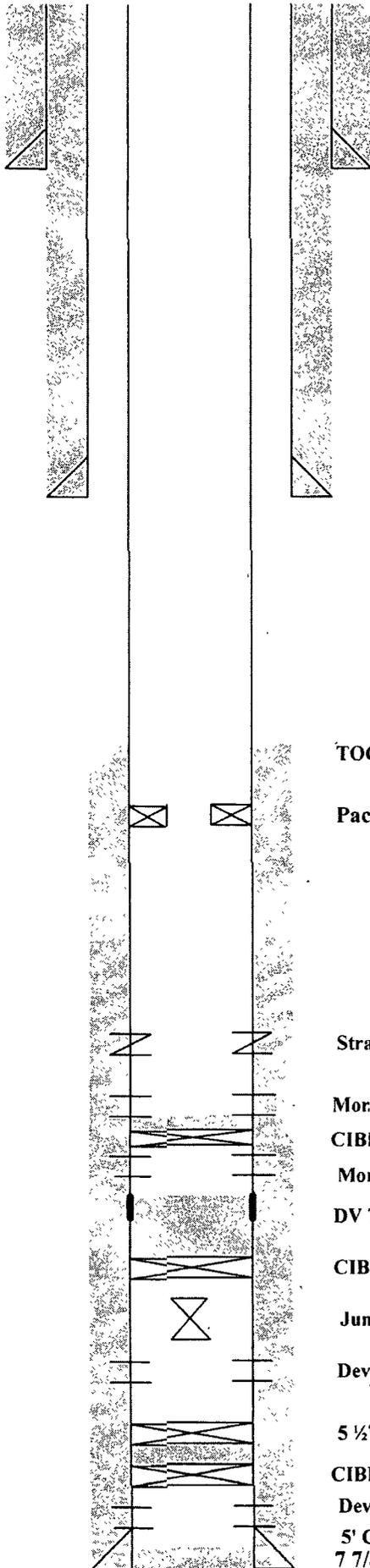
Geologic data indicates that the original oil/water contact within the Devonian reservoir occurs at a sub-sea depth of approximately -9,920' (See Geologic Structure Map). Sundown proposes to inject into the Devonian formation below the original oil/water contact. Consequently, injection into the lower portion of the Devonian reservoir will not have any adverse affect on current Devonian production in this area, thereby protecting correlative rights.

- IX. Well will be stimulated with 5,000-10,000 gals. of 15% HCL.
- X. Logs were filed at the time of drilling.
- XI. Attached is a fresh water analysis obtained from a fresh water well located within one-mile of the Kochia AAM State Well No. 1. This water analysis shows total dissolved solids to be approximately 606 mg/l.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.

Current Wellbore Schematic

Sundown Energy, LP

Kochia AAM State No. 1
990' FSL & 2310' FEL (O)
Section 35, T-15S, R-36E



17 1/2" Hole; Set 13 3/8" 54.5# Csg. @ 404'.
Cemented w/435 Sx. Cement circulated to surface

11' Hole; Set 8 5/8" 32# Csg. @ 4,922'.
Cemented w/2,350 Sx. Cement circulated to surface

TOC @ 8,950' by CBL

Packer @ 9,168'

Strawn Perfs: 11,499'-11,686' (Squeezed w/150 Sx.)

Morrow Perfs: 12,234'-12,255'

CIBP @ 12,435' w/ cement on top

Morrow Perfs: 12,494'-12,573'

DV Tool @ 12,802'

CIBP @ 13,315' w cement on top

Junk subpump TOF @ 13,520'

Devonian Perfs: 13,594'-13,598'

5 1/2" RBP @ 13,600'

CIBP @ 13,654' w/ 4' cement on top

Devonian Perfs: 13,672'-13,676'

5' Cement plug

7 7/8" Hole; Set 5 1/2" 17# Csg. @ 13,800'. Cemented 1st stage-250 Sx.

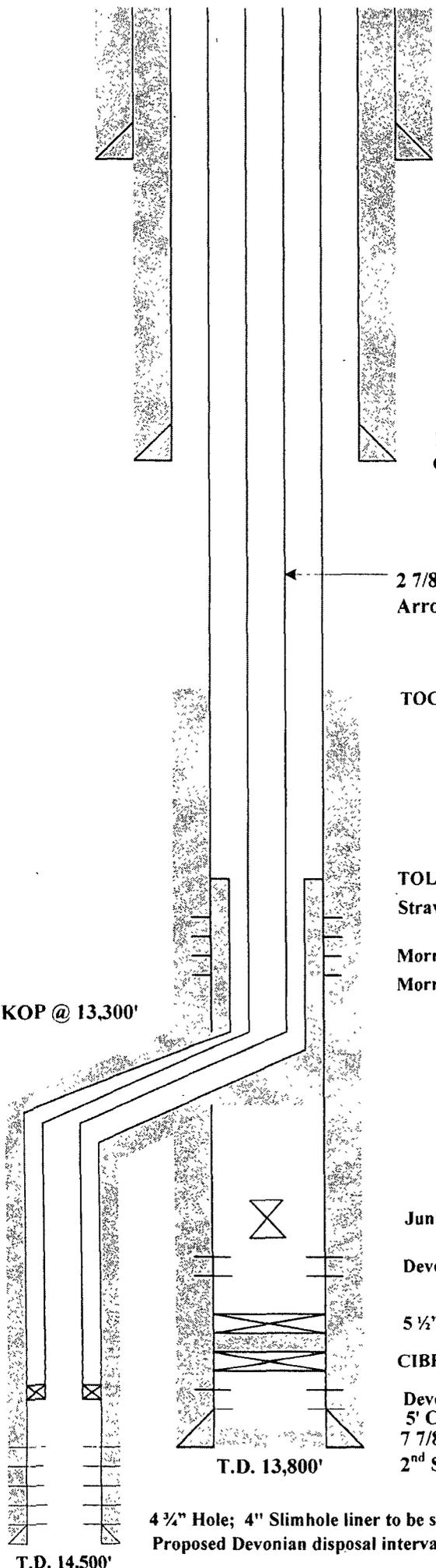
2nd Stage-1350 Sx. DV Tool @ 12,802'. TOC @ 8,950' by CBL

T.D. 13,800'

Proposed Wellbore Configuration

Sundown Energy, LP

Kochia AAM State No. 1
 990' FSL & 2310' FEL (O)
 Section 35, T-15S, R-36E



17 1/2" Hole; Set 13 3/8" 54.5# Csg. @ 404'.
 Cemented w/435 Sx. Cement circulated to surface

11' Hole; Set 8 5/8" 32# Csg. @ 4,922'.
 Cemented w/2,350 Sx. Cement circulated to surface

2 7/8" & 2 3/8" IPC Injection tubing set in a
 Arrow Set IX Packer @ 13,750'

TOC @ 8,950' by CBL

TOL @ 11,300'
 Strawn Perfs: 11,499'-11,686' (Squeezed w/150 Sx.)

Morrow Perfs: 12,234'-12,255'
 Morrow Perfs: 12,494'-12,573'

KOP @ 13,300'

Junk subpump TOF @ 13,520'

Devonian Perfs: 13,594'-13,598'

5 1/2" RBP @ 13,600'

CIBP @ 13,654' w/ 4' cement on top

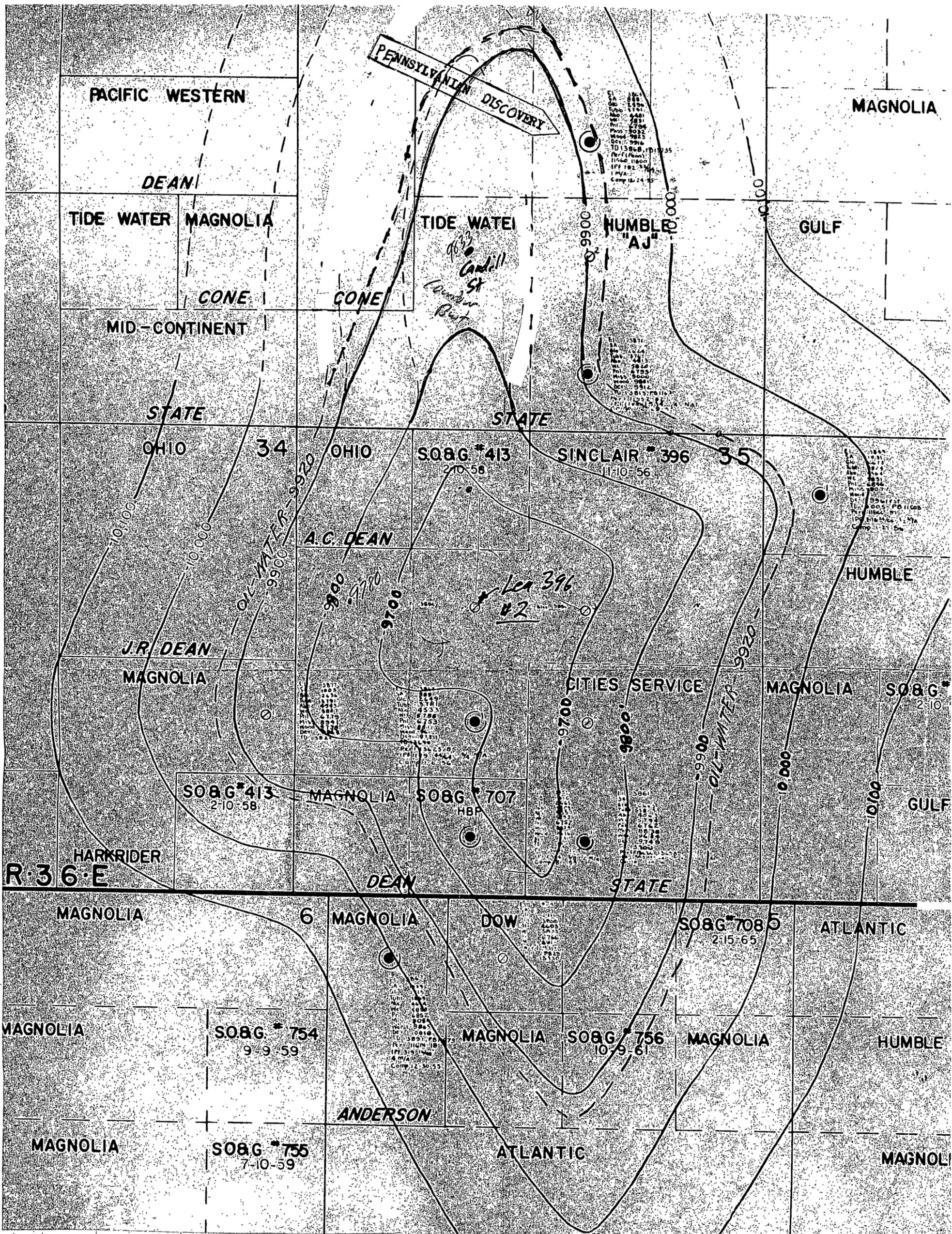
Devonian Perfs: 13,672'-13,676'
 5' Cement plug

7 7/8" Hole; Set 5 1/2" 17# Csg. @ 13,800'. Cemented 1st stage-250 Sx.
 2nd Stage-1350 Sx. DV Tool @ 12,802'. TOC @ 8,950' by CBL

T.D. 13,800'

4 3/4" Hole; 4" Slimhole liner to be set 11,300'-14,500' Cement w/ 75 Sx. Circulate to top of liner
 Proposed Devonian disposal interval: Perforated 13,800'-14,500'

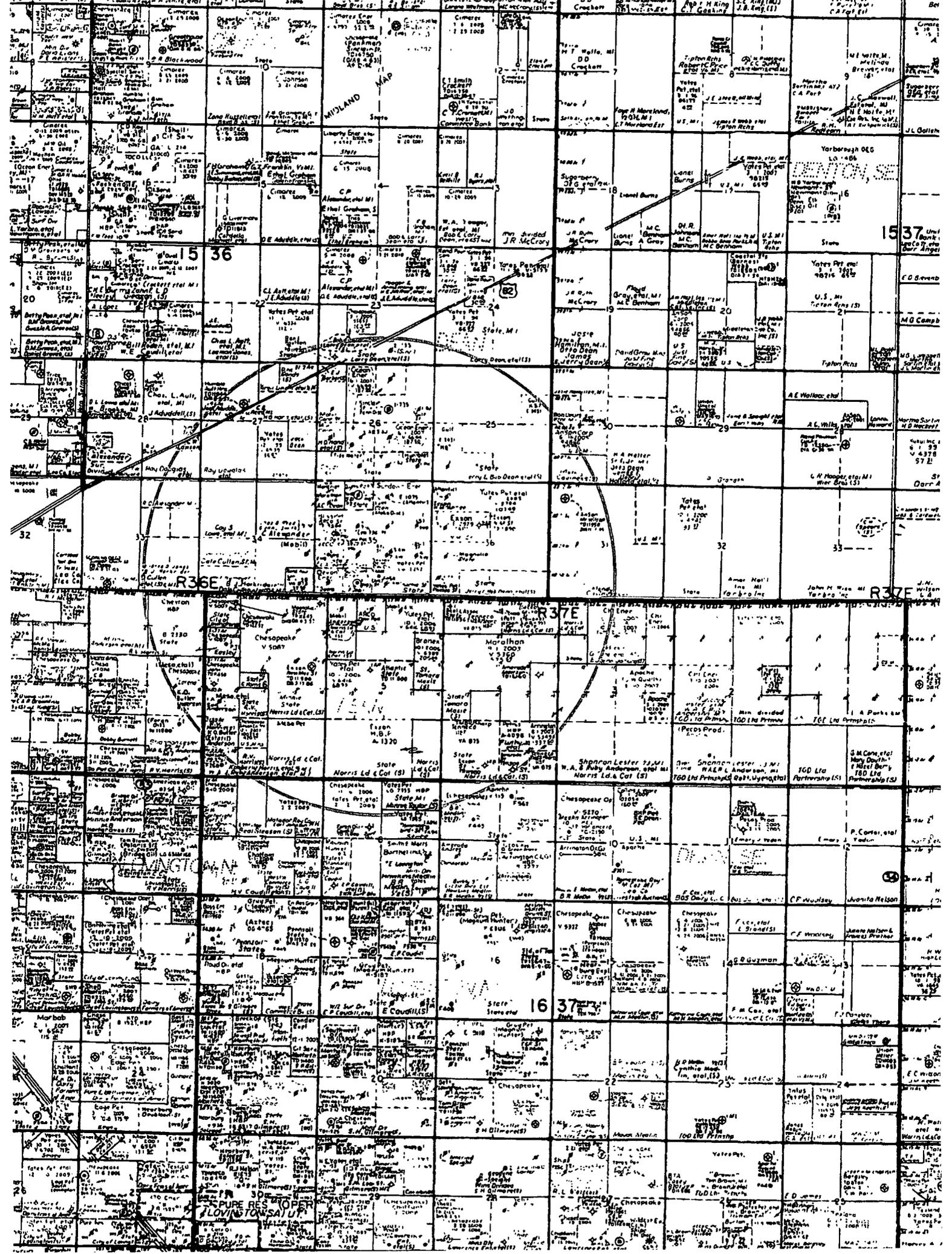
T.D. 14,500'



DEAN POOL

LEA COUNTY, NEW MEXICO
 CONTOURED ON TOP DEVONIAN
 CONTOUR INTERVAL 100'

DATE 2-8-56
 SCALE 1" = 1000'



MIDLAND MAP

15 36

37

R36E

R37E

WAGTO

DINSE

PURE RES. PROJ. FLOVINGTON SA. U.P.

1537

MO Camp

St. Carr A

W. J. Winton

W. J. Winton

16 37

16 37

16 37

35

36E

36

15S

Arco State No. 1

Lea "396" State No. 2

Lea "396" State No. 3

State "AW" No. 3

Lea "396" State No. 1

State "AW" No. 2

State "AW" No. 4

Barbara Owens No. 1

J P Dean No. 1

Kochia AAM State No. 1

State "AW" No. 1

Phillips YX State No. 1

5

Anderson Estate No. 1

Dow Federal Com No. 1

New Mexico K No. 1

4

16S

*Wells
Digital*

37E

● Active Well

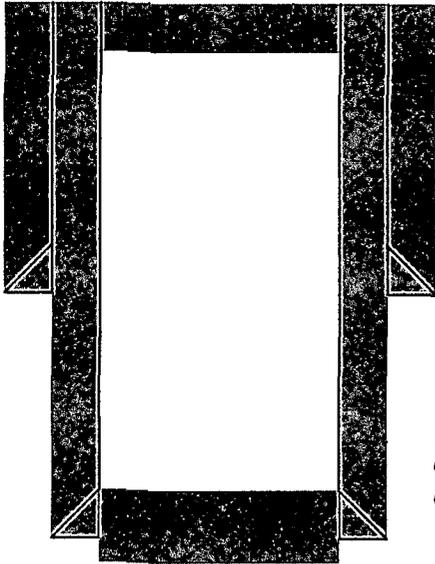
● PA'd Well

● Proposed SWD

SUNDOWN ENERGY, L.P.
AREA OF REVIEW WELL DATA
FORM C-108: KOCHIA AAM STATE WELL NO. 1

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHR	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
30-025-03711	Cities Service Oil Co.	State "AW"	1	P	PA	660'	S	1980'	E	O	35	15S	36E	Sep-55	13,700'	17 1/4"	13 3/8"	379'	350	Surface	Circ.	11 1/4" 7 7/8"	8 5/8" 5 1/2"	4,920' 13,695'	3748 400	Surface 11,562'	Circ. Calc.	13,626'-13,698' 10,658'-10,670'	PA'd 6/69 Schematic Attached
30-025-03712	Cities Service Oil Co.	State "AW"	2	P	PA	1980'	S	1980'	E	J	35	15S	36E	Jan-56	13,657'	17 1/4"	13 3/8"	368'	350	Surface	Circ.	11 1/4" 7 7/8"	8 5/8" 5 1/2"	4,919' 13,657'	2550 550	Surface 11,524'	Circ. Calc.	13,626'-13,650' DV Tool @ 10,678'	PA'd 9/70 Schematic Attached
30-025-03713	Cities Service Oil Co.	State "AW"	3	P	PA	2030'	S	1880'	E	J	35	15S	36E	Oct-56	11,585'	17 1/4"	13 3/8"	367'	350	Surface	Circ.	12 1/4" 8 1/4"	8 5/8" 5 1/2"	4,915' 11,584'	2,474 400	Surface 9,690'	Calc. Calc.	10,396'-11,525'	PA'd 8/1970 Schematic Attached
30-025-03714	Atlantic Richfield Co.	State "AW"	4	SWD	PA	1980'	S	660'	E	I	35	15S	36E	Mar-58	11,595'	17 1/4"	13 3/8"	345'	350	Surface	Circ.	11 1/4" 7 7/8"	8 5/8" 5 1/2"	4,924' 11,597'	1983 350	Surface 9,731'	Calc. Calc.	10,434'-11,537'	PA'd 8/1971 Schematic Attached
30-025-03716	Sundown Energy, L P	J. P. Dean	1	P	Active	660'	S	1980'	W	N	35	15S	36E	Feb-55	13,910'	17 1/4"	13 3/8"	322'	375	Surface	Circ.	12 1/2" 8 3/4"	9 5/8" 5 1/2"	4,979' 13,910'	2400 650	Surface 11,533'	Circ. Calc.	13,600'-13,725' 11,464'-11,554'	CIBP @ 13,480' Devonian Perfs. T/A Active Strawn Perforations
30-025-03717	ARCO Oil & Gas Co	Lea "396" State	1	SWD	PA	1980'	S	2010'	W	K	35	15S	36E	Sep-55	13,690'	17 1/4"	13 3/8"	300'	350	Surface	Circ.	11 1/4" 7 7/8"	9 5/8" 7"	4,926' 13,690'	2600 100	1980' 11,585'	Well File Well File	13,592'-13,654' 10,380'-11,560"	PA'd 7/1985 Schematic Attached
30-025-03718	Sundown Energy, L.P.	Lea "396" State	2	P	TA	1980'	N	1980'	W	F	35	15S	36E	Jan-56	13,720'	17 1/4"	13 3/8"	309'	350	Surface	Circ.	11 1/4" 7 7/8"	9 5/8" 7"	4,939' 13,700'	2600 700	Surface 4,589'	Calc. Calc.	13,654'-13,720' 10,385'-11,540'	PA Devonian Perfs. CIBP @ 11,580' TA Penn Perfs CIBP @ 10,290'
30-025-03719	ARCO Oil & Gas Co	Lea "396" State	3	SWD	PA	1980'	N	1980'	E	G	35	15S	36E	Jan-56	13,726'	17 1/4"	13 3/8"	316'	350	Surface	Circ.	11 1/4" 7 7/8"	9 5/8" 7"	4,936' 13,725'	2600 810	Surface 9,790'	Calc. Well File	13,690'-13,720' 10,396'-11,578'	PA'd 11/1978 Schematic Attached
30-025-03721	Socony Mobil Oil Co.	Barbara Owens	1	P	PA	660'	S	660'	W	M	35	15S	36E	Feb-56	11,861'	17 1/4"	13 3/8"	441'	450	Surface	Circ.	12 3/4" 8 3/4"	9 5/8" 5 1/2"	4,910' 11,861'	2510 2200	Surface 4,395'	Calc. Well File	10,442'-11,606'	PA'd 7/1965 Schematic Attached
30-025-27005	V-F Petroleum, Inc	Arco State	1	P	Active	1980'	S	660'	W	L	35	15S	36E	Oct-80	13,892'	17 1/2"	12 3/4"	347'	400	Surface	Circ.	11" 7 7/8"	8 5/8" 5 1/2"	4,876' 13,650'	4100 1300	Surface 6,718'	Circ. Calc.	13,650'-13,692' 11,481'-11,544'	Devonian O H TA, RBP @ 11,815' Active Penn Perfs.
30-025-28572	Yates Petroleum Corp	Phillips YX State	1	P	PA	990'	S	330'	W	M	36	15S	36E	Jan-84	11,727'	17 1/4"	13 3/8"	398'	375	Surface	Circ.	12 1/4" 7 7/8"	8 5/8" 5 1/2"	4,906' 11,727'	2750 1300	Surface 6,500'	Circ. Estimated	10,695'-11,530'	PA'd 10/85 Schematic Attached
30-025-05329	Socony Mobil Oil Corp.	Anderson Estate	1	P	PA	660'	N	660'	W	D	5	16S	37E	Jul-55	13,897'	17 1/2"	13 3/8"	462'	650	Surface	Circ.	12 1/4" 7 7/8"	9 5/8" 5 1/2"	4,905' 11,710'	2765 448	920' 10,180'	T.S. T.S.	10,753'-11,618'	PA'd 6/63 Schematic Attached
30-025-05327	ARCO Permian	Dow Federal Com	1	P	PA	660'	N	1980'	W	C	5	16S	37E	Sep-56	13,770'	17 1/2"	13 3/8"	365'	300	Surface	Calc.	11" 7 7/8"	8 5/8" 5 1/2"	4,955' 13,752'	2300 270	Surface 12,312'	Calc. Calc.	9,920'-10,725'	PA'd 8/83 Schematic Attached
30-025-05330	Socony Mobil Oil Co	New Mexico "K"	1	P	PA	660'	N	1980'	E	B	5	16S	37E	Apr-56	11,792'	17 1/4"	13 3/8"	425'	425	Surface	Circ.	12 3/4" 8 3/4"	9 5/8" 7"	4,970' 11,792'	2950 1000	25' 6,660'	T.S. T.S.	10,702'-11,608'	PA'd 7/65 Schematic Attached DV Tool @ 10,554' 1st-300/2nd-700

Cities Service Oil Company
State "AW" No. 1
API No. 30-025-03711
660' FSL & 1980' FEL (Unit O)
Section 35, T-15 South, R-36 East, NMPM



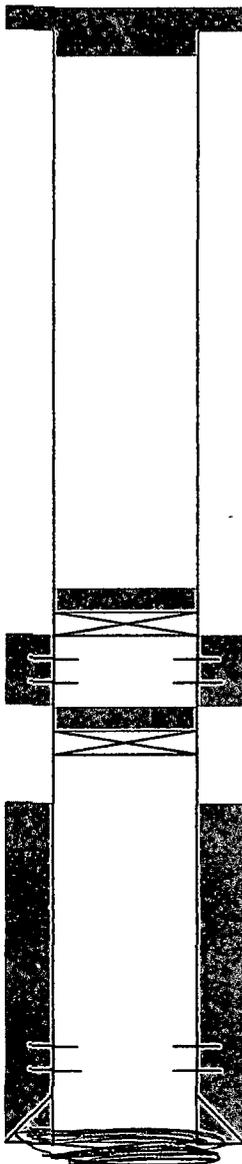
10 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 379'
 Cemented w/350 Sx.
 Cement circulated to Surface

Drilled: 9/1955
Plugged: 6/1969

11 1/4" Hole; Set 8 5/8" Csg @ 4,920'
 Cemented w/3,748 Sx.
 Cement circulated to surface

Set 25 sx. cmt. plug 4,870'-4,949'



Shot 5 1/2" csg. @ 5,500'. Set 30 sx. cement plug 5,460'-5,551'

Set CIBP @ 10,615' w/1 sx. cement on top
 Wolfcamp Perforations: 10,658'-10,670'; Squeezed perfs w/100 sx. cement
 Re-perforated Wolfcamp 10,658'-10,670'

CIBP @ 10,720' w/1 Sx. cmt. on top

TOC @ 11,562' by calc.

Devonian Perforations: 13,626'-13,698'

7 7/8" Hole; Set 5 1/2" Csg. @ 13,695'
 Cemented w/400 Sx.

TOC @ 11,562' by calculation

T.D. 13,700'

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

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
E-605

7. Unit Agreement Name

8. Farm or Lease Name
State AW

9. Well No.
1

10. Field and Pool, or Wildcat
Dean Devonian

12. County
Lee

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Cities Service Oil Company

3. Address of Operator
Box 69, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER **0**, **660** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **35** TOWNSHIP **15S** RANGE **36E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3850 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

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.

TD 13696. PSTD 10712 Wolfcamp, 5 1/2' @ 13695. Set C.I. bridge plug above Dev. perms. @ 10720. Pumped 1 sx cement 10720-712. Perf. 24 holes 10658-670 could not pressure annulus. Located hole in csg. @ 6300'. Repaired csg. leak. Drill out bridge plug @ 10629. Squeeze Wolfcamp perms. @ 3 B/M @ 2800 psi. Mixed and pumped 100 sx Class C w/10# sand per sack. Displaced 78 sx into formation @ 4000 psi. Left 20 sx in 5 1/2' csg. below tool. Reversed out 2 sx. Reperforate Wolfcamp. Drilled cement 10436-670. Reperforated Wolfcamp w/2 shots/ft. 10658-670. Set pkr. @ 10577. Acidize w/2500 gal. 15% Max. 3800 psi. Treated @ 2 B/M @ 3600 psi ISIP 3400 psi, 10 min SIP 3000 psi. Recovered all load plus 27 bbbls. new water cut w/oil. Well flowed short time and died. Treat emulsion block w/1500 gal. 9.2# brine and 15 gal. J-5 demulsifier. Swab 0 oil, 51 BW in 9 hrs. Retreat w/32 gal. J-4 demulsifier and 10 gal. Adafocm mixed in 4000 gal. brine water - swab well dry - Run rods and tubing. Start well pumping - No show - Acidized w/4000 gal. 7 1/2% HCL w/iron sequestering and silt suspension additives. Max. 3100 psi. Treated @ 2 1/2 B/M @ 3100 psi ISIP 2900 psi, 10 min. SIP 2700 psi. Put well on pump. Recovered load water. Test pumped four days. Produced total of 27 bbbls. new oil and 48 water. Pumped off. No fluid coming into hole. Well shut in after unsuccessful workover to plug off Devonian and recomplete in Wolfcamp zone. Devonian prod. prior to workover 2 oil, 333 water, Gas TSTM. Please cancel allowable effective April 1, 1969.

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

ORIGINAL SIGNED
SIGNED **E. D. ROBERTSON** TITLE **District Office Manager** DATE **4-9-69**

APPROVED BY **Jessie M. Clement** TITLE **Oil & Gas Inspector** DATE **4-9-69**

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OPERATOR	

HOBBS OFFICE O. O. C.
NEW MEXICO OIL CONSERVATION COMMISSION

JUN 17 9 40 AM '69

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

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. State Oil & Gas Lease No. E-605
2. Name of Operator Cities Service Oil Company		7. Unit Agreement Name
3. Address of Operator P. O. Box 69 - Hobbs, New Mexico 88240		8. Farm or Lease Name State AW
4. Location of Well UNIT LETTER 0 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 35 TOWNSHIP 15S RANGE 36E NMPM.		9. Well No. 1
15. Elevation (Show whether DF, RT, GR, etc.) 3850 GR		10. Field and Pool, or Wildcat Dean Devonian
		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 <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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.

TD 13700, PSTD 10607. The above well was plugged and abandoned in the following manner: Pulled rods and tubing, set BOP. Plugged Wolfcamp perforations by setting cast iron bridge plug on wire line @ 10615' in 5 1/2 inch casing and dumping one sack cement on top of CIBP from 10615 to 10607. Preparing to cut off 5 1/2' casing. Loaded hole with fluid. Cut off head, and welded on lift nipple. Rigged up jacks. Shot 5 1/2' csg. off @ 5500'. Worked pipe loose and started laying down. Pulled 126 joints 5 1/2' csg. (5511.24') started in hole with tubing to set plugs. Displaced 30 sack plug thru 2 3/8" EUE tbg., 1/2 in and 1/2 out 5 1/2' stub 5551-5460. Displaced 25 sack plug thru 2 3/8" EUE tbg., 1/2 in and 1/2 out of 8 5/8" shoe 4949-4870'. Set 10 sack cement plug in top of 8 5/8" from G.L. to 30' and set 4" pipe marker.

Location will be cleaned of all equipment and debris - all pits will be filled and levelled.

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

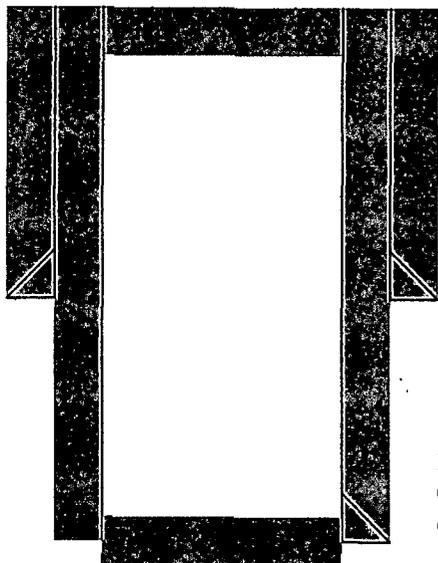
ORIGINAL SIGNED
G. D. ROBERTSON

SIGNED _____ TITLE **District Admin. Manager** DATE **June 16, 1969**

APPROVED BY **John W. Runyan** TITLE **Geologist** DATE **APR 20 1970**

CONDITIONS OF APPROVAL, IF ANY:

Cities Service Oil Company
State "AW" No. 2
API No. 30-025-03712
1980' FSL & 1980' FEL (Unit J)
Section 35, T-15 South, R-36 East, NMPM



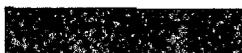
15 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 368'
Cemented w/350 Sx.
Cement circulated to Surface

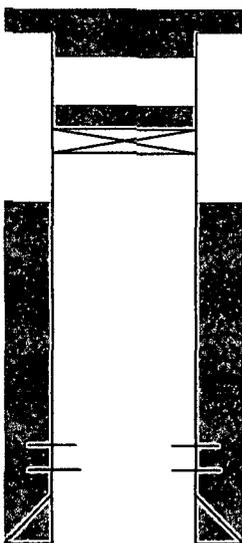
Drilled: 1/1956
Plugged: 9/1970

11 1/4" Hole; Set 8 5/8" Csg @ 4,919'
Cemented w/2,550 Sx.
Cement circulated to surface

Set 25 sx. cmt. plug @ 4,946'



Set 25 sx. cement plug @ 6,500'



Shot & pulled 5 1/2" csg. @ 8,900'. Set 25 sx. cement plug @ 8,988'

Set CIBP @ 10,116' w/2 Sx. cmt. on top

TOC @ 11,524' by calc.

Devonian Perforations: 13,650'-13,626'

7 7/8" Hole; Set 5 1/2" Csg. @ 13,657'

2 Stage cement: 1st-400 sx. 2nd-150 sx.

TOC @ 11,524' by calculation. DV Tool @ 10,678'

T.D. 13,657'

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
#13600

7. Unit Agreement Name

8. Farm or Lease Name
State AW

9. Well No.
2

10. Field and Pool, or Wildcat
Dean Devonian

12. County
Lea

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
CITIES SERVICE OIL COMPANY

3. Address of Operator
P.O. Box 69, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER **J**, **1980** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **35** TOWNSHIP **15S** RANGE **36E** NMPM.

15. Elevation (Show whether DF, RT, CR, etc.)
3861 DF

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

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 1703.

TD 13657 - Well was plugged & abandoned September 8, 1970 in the following manner by H. D. Oden, Inc. of Midland, Texas.

1. Loaded hole w/mud laden fluid
2. Set CI Bridge Plug @ 10116' w/2 sacks cement on top
3. Shot off and recovered 8900' of 5 1/2" casing
4. Displaced 25 sack cement plug @ 8988'
5. Displaced 25 sack cement plug @ 6500'
6. Displaced 25 sack cement plug @ 4946'.
7. Displaced 15 sack cement plug @ surface to 15'
8. Installed 4" dry hole marker
9. Covered, levelled pit and cleaned location of all material and debris.

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

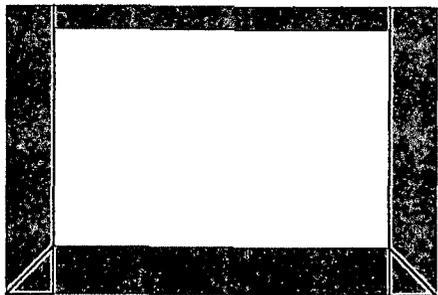
ORIGINAL SIGNATURE
C. D. ROBERTSON

SIGNED _____ TITLE Dist. Admin. Supervisor DATE June 12, 1972

APPROVED Nathan E. Clegg TITLE OIL & GAS INSPECTOR DATE SEP 8 1972

CONDITIONS OF APPROVAL, IF ANY:

Cities Service Oil Company
State "AW" No. 3
API No. 30-025-03713
2030' FSL & 1880' FEL (Unit J)
Section 35, T-15 South, R-36 East, NMPM

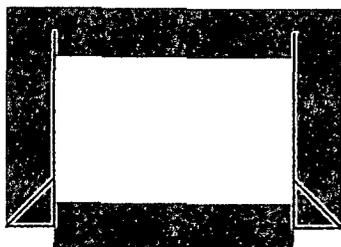


10 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 367'
 Cemented w/350 Sx.
 Cement circulated to Surface

Set 25 sx. cement plug @ 371'

Drilled: 10/1956
Plugged: 8/1970



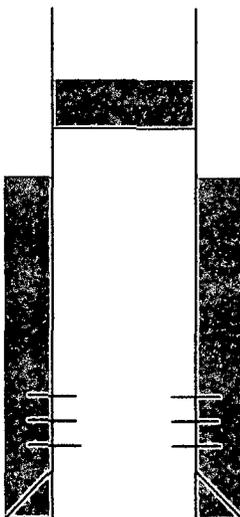
Shot & pulled 588' of 8 5/8" csg.
 Set 25 sx. cement plug @ 618'

12 1/4" Hole; Set 8 5/8" Csg @ 4,915'
 Cemented w/2,474 Sx.
 TOC @ 588'

Set 25 sx. cmt. plug @ 4,860'



Set 25 sx. cement plug @ 6,504'



Shot & pulled 5 1/2" csg. @ 8,600'

Set 50 sx. cement plug @ 8,900'

TOC @ 9,690' by calc.

Permo Penn perforations: 10,396'-11,525'

8 1/4" Hole; Set 5 1/2" Csg. @ 11,584'
 Cemented w/400 sx.

TOC @ 9,690' by calculation

T.D. 11,585'

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-85

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. #13604	
7. Unit Agreement Name	
8. Farm or Lease Name State AW	
9. Well No. 3	
10. Field and Pool, or Wildcat Dean Permo Penn	
12. County Lea	

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
CITIES SERVICE OIL COMPANY

3. Address of Operator
P.O. BOX 69, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER J 2080 FEET FROM THE South LINE AND 1880 FEET FROM
THE East LINE, SECTION 35 TOWNSHIP 15S RANGE 36E N.M.P.M.

15. Elevation (Show whether DF, RT, CR, etc.)
3859 DF

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

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.

TD 11585' -- Well was plugged and abandoned August 28, 1970, in the following manner by H. D. Oden, Inc., Midland, Texas:

1. Loaded hole w/mud laden fluid
2. Displaced 50 sack cement plug @ 3900'
3. Shot off & recovered 8600' 5 1/2" casing
4. Displaced 25 sack plug @ 6504'
5. Displaced 25 sack plug @ 4860'
6. Shot off & recovered 588' of 3 5/8" casing
7. Displaced 25 sack plug @ 618'
8. Displaced 25 sack plug @ 371'
9. Displaced 10 sack plug 10' to surface
10. Installed 4" dry hole marker
11. Covered & levelled pits; cleared location of all material & debris.

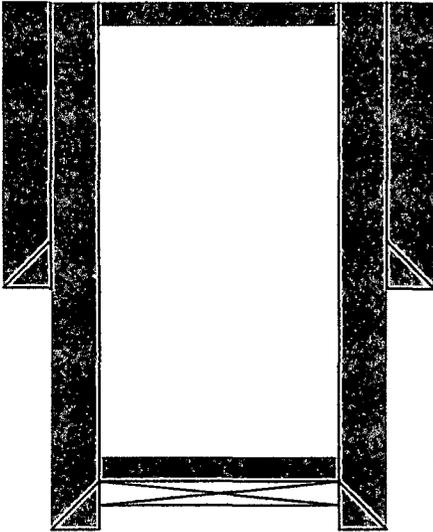
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED _____ TITLE Dist. Admin. Supervisor DATE June 12, 1972

APPROVED BY Nathan E. Olegg TITLE OIL & GAS INSPECTOR DATE SFD 8 1972

CONDITIONS OF APPROVAL, IF ANY:

Atlantic Richfield Company
State "AW" No. 4
API No. 30-025-03714
1980' FSL & 660' FEL (Unit D)
Section 35, T-15 South, R-36 East, NMPM



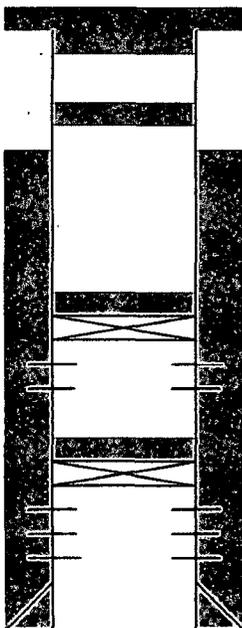
20 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 345'
Cemented w/350 Sx.
Cement circulated to Surface

Drilled: 3/1958
Plugged: 8/1971

CIBP @ 4,904' w/30 sx. cement on top

11 1/4" Hole; Set 8 5/8" Csg @ 4,924'
Cemented w/1,983 Sx.
TOC @ surface by calculation



Shot & pulled 5 1/2" csg. @ 8,530'
Set 35 sx. cement plug @ 8,391'

Shot 5 1/2" @ 9,502. Could not pull
Set 15 sx. cement plug @ 9,400'

TOC @ 9,731' by calc.

1.87" FWP PSI Blanking Plug w/30 sx.
cement on top @ 10,358'

Permo Penn perforations: 10,434'-10,488'

CIBP @ 10,600' w/1 sx. cement on top

Penn perforations: 10,685'-11,537'

7 7/8" Hole; Set 5 1/2" Csg. @ 11,597'
Cemented w/350 sx.
TOC @ 9,731' by calculation

T.D. 11,595'

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-605	
7. Unit Agreement Name	
8. Farm or Lease Name	
State "AW"	
9. Well No.	
4	
10. Field and Pool, or Wildcat	
Dean SWDS	
12. County	
Lea	

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**

2. Name of Operator
Atlantic Richfield Company

3. Address of Operator
P. O. Box 197C, Roswell, New Mexico 88201

4. Location of Well
UNIT LETTER **I** **1980** FEET FROM THE **South** LINE AND **660** FEET FROM
THE **East** LINE, SECTION **35** TOWNSHIP **15-S** RANGE **36-E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3863' DF

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
		Recomplete in San Andres/Glorieta <input checked="" type="checkbox"/>	

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 1703.

Set 1.87" FWP PSI blanking plug in Baker Type FL seal nipple @ 10358'. Tested blanking plug to 3000#, held OK. Spotted 30 sk Slo-Set cement plug on top of blanking plug & 415-D packer (cement 10170-10360'). Shot 5 1/2" casing @ 9502' and could not work free. Shot 5 1/2" casing @ 8530'. Recovered 215 jts 5 1/2" casing = 8545'. Spotted 15 sk Class C cement plug from 9400' to 9540'. Set 35 sk Class C cement plug 8391' to 8548'. Ran 8-5/8" Johnston 101-S tension packer on 2 1/2" plastic coated tubing. Set packer @ 4889' w/11000# tension. Treated open hole 4924-8391' w/5000 gallons 15% LSTNE HCl acid. Job complete 5/13/70. Resumed water injection 5/14/70.

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

SIGNED *[Signature]* TITLE Dist. Drlg. Supervisor DATE 5/20/70

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

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LAND OFFICE		
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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-10^a and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
E-605

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- P & A	7. Unit Agreement Name
2. Name of Operator Atlantic Richfield Company	8. Farm or Lease Name State "AW"
3. Address of Operator P. O. Box 1978, Roswell, New Mexico 88201	9. Well No. 4
4. Location of Well UNIT LETTER I 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 35 TOWNSHIP 15-S RANGE 36-E N.M.P.M.	10. Field and Pool, or Wildcat Dean SWDS
15. Elevation (Show whether DF, RT, GR, etc.) 3863' DF	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 <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>

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 1703.

This well has been plugged & abandoned in the following manner. Set 8-5/8" CIBP at 4904' WLM. Spotted 35 sack cement plug on top of CIBP 4904-4792'. Spotted 20 sack cement plug in top of 8-5/8" casing. Erected dry hole marker. 9#/gal mud was used to spot all plugs. 13-3/8" & 8-5/8" casing strings remain intact. We are maintaining our business lease on this property for the continued use of our Dean SWDS plant. Your office will be notified when this location is ready for inspection.

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

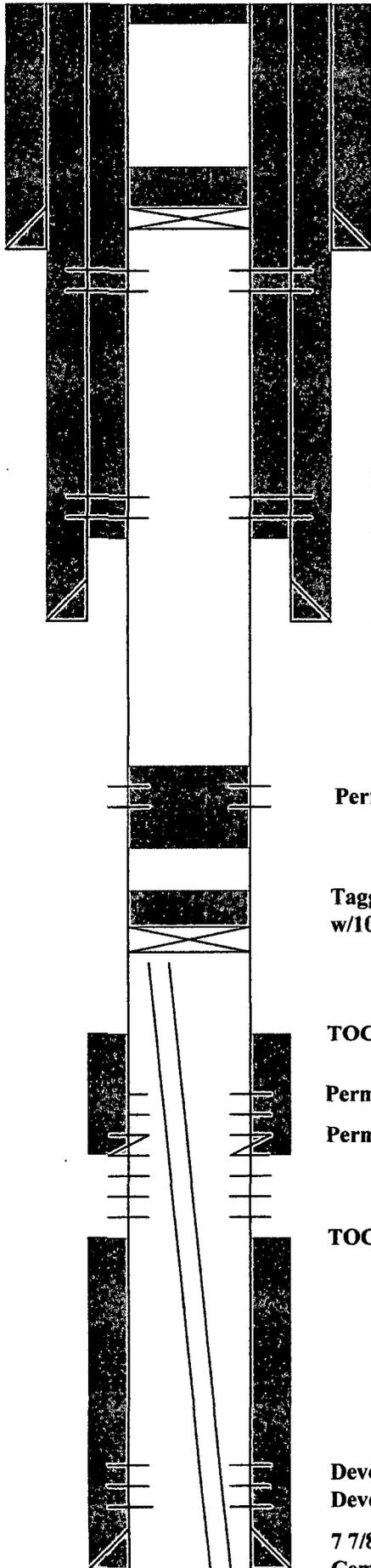
SIGNED A.D. Sutchas TITLE Dist. Drlg. Supervisor DATE 8/4/71

APPROVED BY Nathan E. Clegg TITLE OIL & GAS INSPECTOR DATE AUG 10 1971

CONDITIONS OF APPROVAL, IF ANY:

JUN 9 1972

ARCO Oil & Gas Company
Lea "396" State No. 1
API No. 30-025-03717
1980' FSL & 2010' FWL (Unit K)
Section 35, T-15 South, R-36 East, NMPM



20 Sx. @ surface

17 1/4" Hole; Set 13 3/8" Csg @ 300'
 Cemented w/350 Sx.
 Cement circulated to Surface

Perfed 7" & 9 5/8" csg. @ 318'.
 Squeezed w/145 sx. Left 75' of cement
 on top of cement retainer. Also
 bradenhead squeezed 7" & 9 5/8"
 annulus w/200 sx. cement

Drilled: 9/1955
Plugged: 7/1985

Perfed 7" & 9 5/8" csg. @ 3,961' Squeezed w/ 250 sx. cement. Good returns on
 9 5/8"-13 3/8" annulus. Squeezed w/250 sx. cement. Did not circulate
 the 7'-9 5/8" annulus.

11 1/4" Hole; Set 9 5/8" Csg @ 4,926'
 Cemented w/2,600 Sx.
 TOC @ 1,980' by well file

Perfed 7" @ 4,950'. Spot 250 sx. cement plug, tagged @ 5,015'

Tagged fish @ 7,342'. Set cement retainer @ 7,250'
 w/100 sx. cement on top. Tagged plug @ 6,920'

TOC @ 9,749' by T.S.

Permo-Penn perfs: 10,380'-11,560'

Permo-Penn perforations 11,432'-11,433' squeezed w/360 sx.

TOC @ 11,585'

Devonian perforations: 13,590'-13,689' Squeezed w/ 50 Sx.
 Devonian re-perforated from 13,592'-13,654'

7 7/8" Hole; Set 7" Csg. @ 13,690'
 Cemented w/100 sx.
 TOC @ 11,585' by well file

T.D. 13,690'

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OPERATOR	

5a. Indicate Type of Lease
State Fee
5. State Oil & Gas Lease No.
B-1705

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- SWDW	7. Unit Agreement Name
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Co.	8. Farm or Lease Name Lea 396 State
3. Address of Operator P.O. Box 1710, Hobbs, NM 88240	9. Well No. 1
4. Location of Well UNIT LETTER K 1980 FEET FROM THE South LINE AND 2010 FEET FROM THE West LINE, SECTION 35 TOWNSHIP 15S RANGE 36E NMPM.	10. Field and Pool, or Wildcat Dean Devonian
15. Elevation (Show whether DF, RT, GR, etc.) 3857' GR	12. County Lea

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	Repair Csg & Tbg <input checked="" type="checkbox"/>

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.

Rigged up on 5-23-85. Installed BOP & POH w/parted tbq from 2523'. Tagged fish @ 6850'. Milled over & rec tbq fish to 7342'. Unable to rec fish. On 6-25-85, set cmt retr @ 7250'. Pmpd below retr w/1000# press, could not pump below retr. POO retr & spot 100 sx Cl H cmt on top of retr. POH w/tbg. RIH w/tbg OE & tagged cmt @ 6920'. Circ hole w/10# brine w/25#/bbl SW gel. POH w/tbg. Perf'd 4 JS @ 4950'. RIH w/tbg OE & spot 100 sx cmt plug @ 5045'. Wait 3 hrs, could not tag plug. Spot 150 sx cmt plug @ 5045'. Test 7" csg 5045' to surf to 500# for 30 mins, OK. Wait 3 hrs & tagged cmt @ 5015'. Perf'd 7" & 9-5/8" OD csg @ 3961'. Set pkr @ 360'. Pmpd thru perfs @ 3961' w/good returns. POH w/pkr. Set cmt retr @ 360'. Pmpd 250 sx Cl H cmt w/cmt returns to surf thru 9-5/8" & 13-3/8" annulus. Pmpd 250 sx Cl H cmt w/good returns up 7" x 9-5/8" annulus, no cmt returns. Bradenhead squeeze 100 sx Cl H cmt down 7" x 9-5/8" annulus. No cmt returns. Bradenhead squeeze 100 sx Cl H cmt down 7" x 9-5/8" annulus. Had 3/8" stream flwg out 9-5/8" x 13-3/8" annulus. CO cmt to ret @ 320'. Press tested csg to 1500#, OK. Perf'd 7" & 9-5/8" OD csg @ 318' w/4 JSPF. Broke circ down 7" csg out 9-5/8 x 13-3/8" annulus thru perfs @ 318'. Circ cmt w/145 sx Cl "H" neat. Left 75' cmt on top of retr. Spot 20' cmt plug @ surf. Cut off wellhead below GL. Welded on regulation dry hole marker. P&A eff 7-2-85. Cleaned & levelled location. FINAL REPORT.

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

SIGNED Elizabeth L. Bush TITLE Duty Eng DATE 7-3-85 7/8/85

APPROVED BY Jack Keriffin TITLE OIL & GAS INSPECTOR DATE FEB 24 1987

CONDITIONS OF APPROVAL, IF ANY:

Marker has been found. Log # 1 material in Lea 396 St 4.

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State Fee
5. State Oil & Gas Lease No.
B-1705

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- P&A Salt Water Disposal Well
2. Name of Operator
Atlantic Richfield Company
3. Address of Operator
P. O. Box 1710, Hobbs, New Mexico 88240
4. Location of Well
UNIT LETTER G 1980 FEET FROM THE North LINE AND 1980 FEET FROM
THE East LINE, SECTION 35 TOWNSHIP 15S RANGE 36E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)
3856' GR

7. Unit Agreement Name
8. Farm or Lease Name
Lea 396 State
9. Well No.
3
10. Field and Pool, or Wildcat
Dean Devonian
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 <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

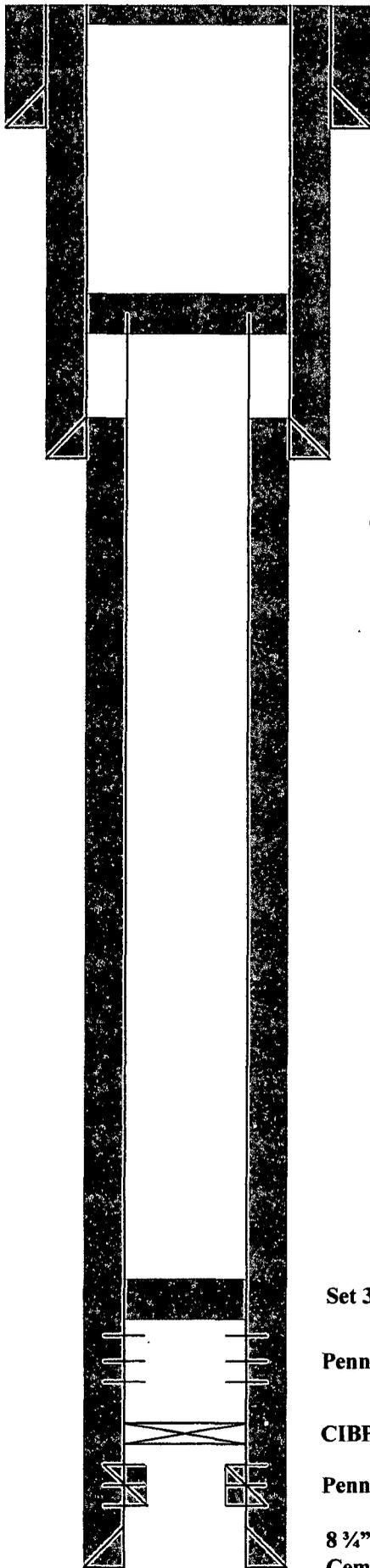
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Plugged & abandoned in the following manner: RU 10/25/78. Inst BOP, rec 2-3/8" OD tbg to 4536' TOF. RIH w/cutting tool & cut 7" OD csg @ 4510'. Ran csg recovery log, found 7" csg free 0-108'. Ran 7" csg scraper to 4350' OK. RIH w/7" cmt retr, set retr @ 4320'. Pmpd 100 sx Cl H cmt cont'g 2% gel, 10# salt/sk. MP 1100#. PO of retr & spotted 100 sx Cl H cmt 4320-3637'. WOC. Tagged TOC w/2-3/8" OD tbg @ 3637'. Spotted hvy gelled mud inside 7" OD csg 3637-2100'. Pld btm of tbg to 2100' & spotted 320 sk cmt plug 2100-350'. Swaged top of 7" OD csg (hole in 9-5/8" OD intermediate csg @ 194'). Welded plate in top of 7" x 9-5/8" csg hd. Cmt squeezed thru swage in 7" csg & thru hole in 9-5/8" csg w/260 sx cmt. MP 450#. 10 min SIP 200#, OK. Inst regulation dry hole marker, plugged & abandoned eff 11/29/78. Location to be levelled & cleaned of all debris. Final Report.

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

SIGNED [Signature] TITLE Dist. Drlg. Supt DATE 12/4/78
APPROVED BY Nathans E. Clegg TITLE OIL & GAS INSPECTOR DATE MAR 12 1979
CONDITIONS OF APPROVAL, IF ANY:

**Socony Mobil Oil Company
Barbara Owens No. 1
API No. 30-025-03721
660' FSL & 660' FWL (Unit M)
Section 35, T-15 South, R-36 East, NMPM**



25 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 441'
Cemented w/450 Sx.
Cement circulated to Surface

Cut & pulled 3,134' of 5 1/2" csg. Spot 25
sx. cement plug 3,100'-3,150'

Cut 5 1/2" csg. @ 4,330'. Could not pull
TOC @ 4,395' by T.S.

12 3/4" Hole; Set 9 5/8" Csg @ 4,910'
Cemented w/2,510 Sx.
TOC @ surface by calc.

**Drilled: 2/1956
Plugged: 7/1965**

Set 35 sx. cement plug 10,726'-10,427'

Penn perforations: 10,442'-11,577'

CIBP @ 10,790'

Penn perforations: 11,594'-11,606' Squeezed w/100 Sx.

8 3/4" Hole; Set 5 1/2" Csg. @ 11,861'
Cemented w/2200 sx.
TOC @ 4,395' by T.S. DV Tool @ 10,548'

T.D. 11,861'

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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 27 4 12 PM '65

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

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Barbara Owens

9. Well No.
1

10. Field and Pool, or Wildcat
Dean Permo Penn.

12. County
Lea

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Socony Mobil Oil Company, Inc.

3. Address of Operator
Box 1800, Hobbs, New Mexico

4. Location of Well
UNIT LETTER **M** **660** FEET FROM THE **South** LINE AND **660** FEET FROM
THE **West** LINE, SECTION **35** TOWNSHIP **15 S** RANGE **36 E** NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3858 GR

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 JOB

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.

Moved in and rigged up unit. Pulled rods, pump & tbq. Ran tbq. open ended to 10,726' and circ. hole to mud laden fluid. HCNCo spotted 35 sx regular cement plug 10,726-10,427'. Pulled tbq. Dia-Log cut 5 1/2" csg. @ 4330', worked stuck pipe 3 hrs. Dia-Log ran free point indicator, csg. stuck @ 3350', free @ 3100'. Cut 5 1/2" csg. @ 3134' and pulled. HCNCo spotted 25 sx regular cement plug 3150-3100'. Spotted 25 sx cement plug @ surface. Installed regulation monument. Well plugged & abandoned 7/25/65.

Will notify when lease is ready for inspection.

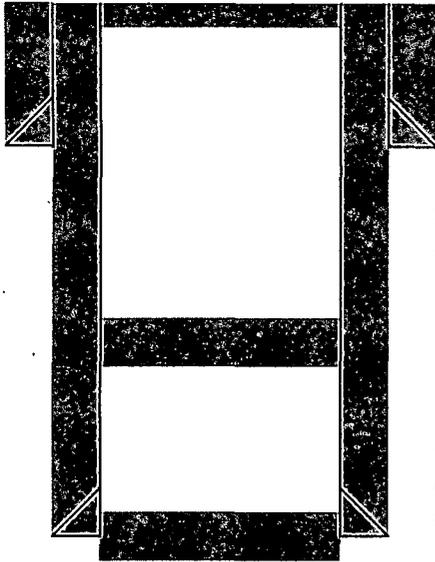
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED E. J. Kennon TITLE Group Supervisor DATE 7/26/65

APPROVED BY Leslie A. Clements TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**Yates Petroleum Corporation
Phillips YX State No. 1
API No. 30-025-28572
990' FSL & 330' FWL (Unit M)
Section 36, T-15 South, R-36 East, NMPPM**



50' surface
plug

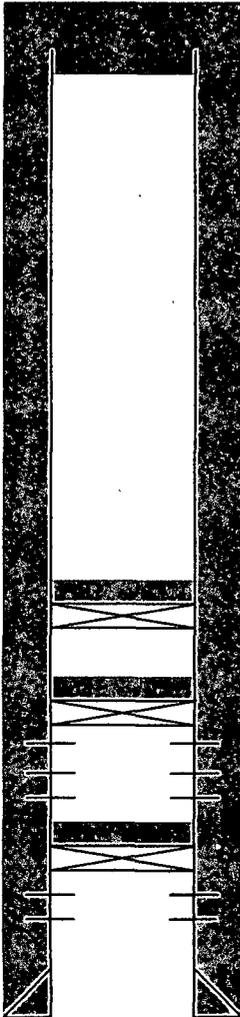
17 1/4" Hole; Set 13 3/8" Csg @ 398'
Cemented w/375 Sx.
Cement circulated to Surface

Set 35 sx. cement plug @ 2213'

**Drilled: 1/1984
Plugged: 8/1985**

12 1/4" Hole; Set 8 5/8" Csg @ 4,906'
Cemented w/2,750 Sx.
Cement circulated to surface

Set 35 sx. cement plug @ 4,953'. Tagged plug @ 4,820'



Cut & pulled 6,500' of 5 1/2" csg. Set 35 sx. cement plug 6,554'
Tagged plug @ 6,410'

Set CIBP @ 10,645' w/ 35' of cement on top

Set CIBP @ 10,968 w/ 35' cement on top

Penn perforations: 10,695'-11,054'

RBP @ 11,455' w/35' cement on top

Penn perforations: 11,525'-11,530'

7 7/8" Hole; Set 5 1/2" Csg. @ 11,727'
Cemented w/1300 sx.
TOC @ 6,500' (Casing pulled depth)

T.D. 11,727'

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.
LG 1539

7. Unit Agreement Name

8. Farm or Lease Name
Phillips YX State

9. Well No.
1

10. Field and Pool, or Wildcat
Dean Permo-Penn

12. County
Lea

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

OIL WELL GAS WELL OTHER: P&A

Name of Operator
Yates Petroleum Corporation

Address of Operator
207 South 4th St., Artesia, NM 88210

Location of Well
UNIT LETTER M 990 FEET FROM THE South LINE AND 330 FEET FROM
THE West LINE, SECTION 36 TOWNSHIP 15S RANGE 36E NMPM.

11. Elevation (Show whether DF, RT, GR, etc.)
3842.5' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

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.

Verbal permission obtained from Eddie Seay, NMOCD, Hobbs, 10-7-85, to plug and abandon well as per C-103 dated 10-3-85.

- 10-9-85. Spotted 35' cement on RBP at 11455'.
Set CIBP at 10968' w/35' cement on top.
Set CIBP at 10645' w/35' cement on top.
Shot 120 jts 5-1/2" 17# casing off at 6500'.
- 10-14-85. Spotted 35 sx cement plug at 6554'. WOC 2 hrs. Tagged plug at 6410'.
Spotted 35 sx cement plug at 4953'. WOC 2 hrs. Tagged plug at 4820'.
Spotted 35 sx cement plug at 2213'.
Spotted 50' cement plug to surface.
Set regulation abandonment marker.

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

SIGNED Franklin Goodlett TITLE Production Supervisor DATE 10-17-85

APPROVED BY Jack Griffin TITLE OIL & GAS INSPECTOR DATE FEB 24 1987

CONDITIONS OF APPROVAL, IF ANY:

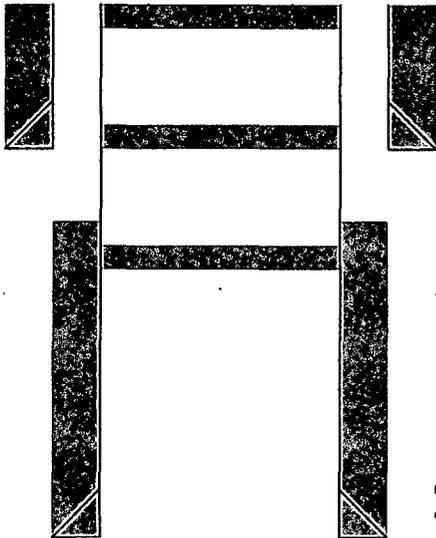
Socony Mobil Oil Corporation

Anderson Estate No. 1

API No. 30-025-05329

660' FNL & 660' FWL (Unit D)

Section 5, T-16 South, R-37 East, NMPN



25 sx. surface plug

25 sx. 404'-462'

17 1/4" Hole; Set 13 3/8" Csg @ 462'

Cemented w/650 Sx.

Cement circulated to Surface

Set 25 sx. cement plug @ 872'-930"

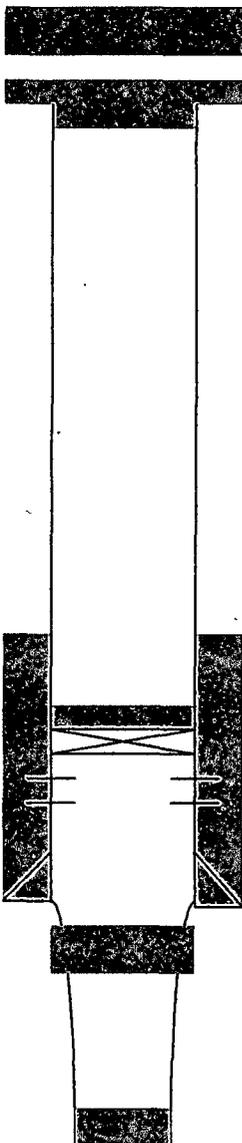
12 1/4" Hole; Set 9 5/8" Csg @ 4,905'

Cemented w/2,765 Sx.

TOC @ 920' by T.S.

Drilled: 7/1955

Plugged: 6/1963



Set 25 sx. cement plug 5,430'-5,500'

Cut & pulled 6,800' of 5 1/2" csg. Set 25 sx. cement plug 6,730'-6,800'

TOC @ 10,180'

Set CI plug @ 10,715' with 15 Gal. Hydromite on top

Penn perforations: 10,753'-11,618'

7 7/8" Hole; Set 5 1/2" Csg. @ 11,710'

Cemented w/448 sx.

TOC @ 10,180' by T.S.

Set 100 sx. cement plug 11,710'-11,900'

Set 50 sx. cement plug 13,772'-13,897'

T.D. 13,897'

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NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

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

Name of Company Socony Mobil Oil Company, Inc.		Address Box 2406, Hobbs, New Mexico				
Lease Anderson Estate	Well No. 1	Unit Letter D	Section 5	Township 16 S	Range 37 E	
Date Work Performed 5/26 thru 6/3/63	Pool Dean Permo Penn	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.

McCullough set Otis GI plug @ 10,715', dumped 15 gal Hydromite on top. McCullough ran free point indicator in 5 1/2" casing. Csg. free @ 6613', stuck @ 7000'. Cut 5 1/2" casing @ 6800' and pulled. Ran 2" thg. to 6800' and displaced hole w/mud. Halliburton spotted 25 sx reg. cement plug 6800-6730', spotted 25 sx cement plugs @ 5500-5430', 25 sx @ 930-872', 25 sx @ 462-404'. Spotted 25 sx cement plug @ surface. Installed regulation monument. Mud laden fluid between all plugs. Well plugged & abandoned 6/3/63.

Will notify when lease is ready for inspection.

Witnessed by J. R. Short	Position Drilling Foreman	Company Socony Mobil Oil Company, Inc.
------------------------------------	-------------------------------------	--

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

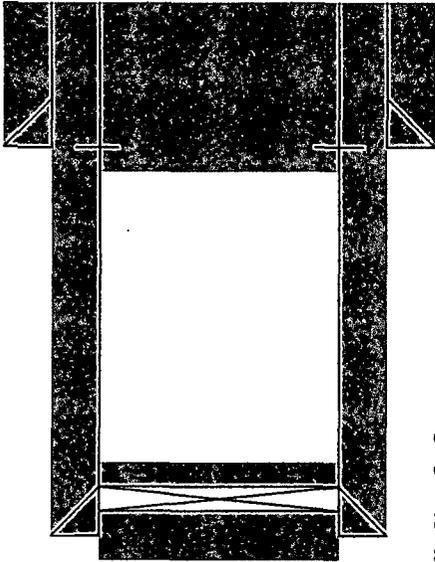
D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

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>Jesse K. Clement</i>	Name <i>J. McDaniel</i>	Position Group Supervisor	Company Socony Mobil Oil Company, Inc.
Title	Date <i>JA</i>		

**ARCO Permian
Dow Federal Com No. 1
API No. 30-025-05327
660' FNL & 1980' FWL (Unit C)
Section 5, T-16 South, R-37 East, NMPN**



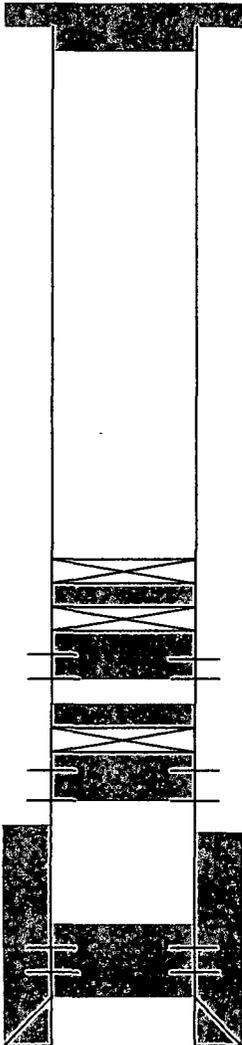
Perf 8 5/8" csg. @ 350'. Spot 122 sx.
from surface to 419'

17 1/4" Hole; Set 13 3/8" Csg @ 365'
Cemented w/300 Sx.
Calculated TOC @ surface

**Drilled: 7/1955
Plugged: 6/1963**

11" Hole; Set 8 5/8" Csg @ 4,955'
Cemented w/2300 Sx.
Calculated TOC @ surface

Set cement retainer @ 4,910'. Stung into retainer &
squeezed w/75 sx. Set 30 sx. on top of retainer



Cut & pulled 6,390' of 5 1/2" csg. Set 35 sx. cement plug 6,281'-6,454'

Set cement retainer @ 9,272'. Stung into retainer &
squeezed w/50 sx. cement

Penn perforations: 9,920'-10,725'. Set cement retainer @
9,895' & squeezed w/300 sx.

Penn perforations: 11,544'-11,638'; Set cement retainer
@11,475' & squeezed w/250 sx. 40 sx. cement on top

TOC @ 12,312' by calc.

Devonian perforation 13,706'-13,758'
squeezed w/75 sx. cement

7 7/8" Hole; Set 5 1/2" Csg. @ 13,752'
Cemented w/270 sx.
TOC @ 12,312' by calc.

T.D. 13,770'

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 Form 9-331-C for such proposals.)

1. oil well gas well other P&A

2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 1980' FWL
AT TOP PROD. INTERVAL: as above
AT TOTAL DEPTH: as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
NM-0185-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Dow Federal Com.

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Dean Permo Penn

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-16S-37E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3849' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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SEP 16 1 29 PM '83

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

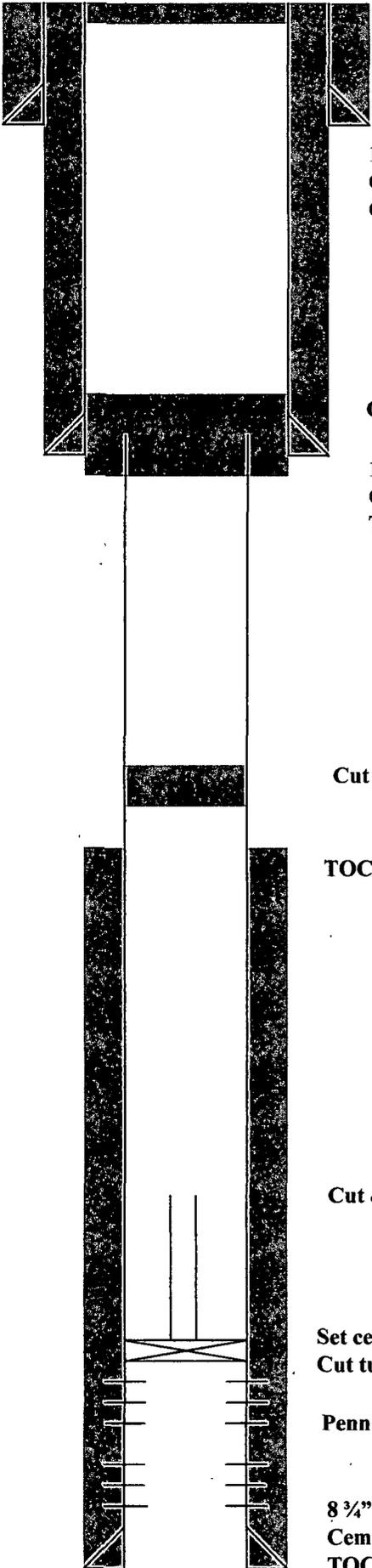
RU 8/31/83, killed well, installed BOP & POH w/tbg. Set cmt retr @ 9895' & cmt sqzd Permo Penn perms 9920-10,725' w/300 sx Cl H Neat cmt. POH w/tbg. RIH w/2-7/8" tbg & cmt retr, set retr @ 9272'. Spotted 50 sx Cl H cmt to retr, stung into retr & cmt sqzd w/3500#, RO 10 sx cmt. POO retr & displ hole w/10# brine cont'g 25#/bbl salt gel. Cut 5 1/2" csg @ 6390'. Rec 6384' of 5 1/2" OD csg. RIH w/2-7/8" tbg OE to 6454'. Pmpd 95 bbls 10# brine cont'g 25 sx salt gel per 100 bbl brine. Spotted 35 sx Cl C cmt 6454-6281'. Rem BOP. POH w/tbg. Set cmt retr in 8-5/8" OD csg @ 4910'. Stung into retr & sqzd thru retr w/75 sx Cl C Neat cmt. Max press 1800#, POO retr & spotted 30 sx Cl C Neat cmt on top of retr. POH w/tbg. Perf'd 8-5/8" OD csg @ 350'. Pressured 8-5/8" OD csg to 1800# for 15 mins, held pressure. Bled off press & RIH w/2-7/8" tbg OE. Spot 122 sx Cl C Neat cmt from 419' to surf. Cut off csg 5' below GL. Weld steel cap on 13-3/8" surface csg. Inst regulation dry hole marker. P&A eff 9/13/83. Final Report.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED William P. Lawrence Drlg. Engr. DATE 9/15/83

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE 8-13-85
CONDITIONS OF APPROVAL, IF ANY:

Socony Mobil Oil Company
New Mexico "K" No. 1
API No. 30-025-05330
660' FNL & 1980' FEL (Unit B)
Section 5, T-16 South, R-36 East, NMPM



25 Sx. @
surface

17 1/4" Hole; Set 13 3/8" Csg @ 425'
 Cemented w/425 Sx.
 Cement circulated to Surface

Drilled: 4/1956
Plugged: 6/1965

Cut & pulled 7" csg. @ 4,933'. Spot 50 sx. 4,906'-5,040'

12 3/4" Hole; Set 9 5/8" Csg @ 4,970'
 Cemented w/2950 Sx.
 TOC @ 25' by T.S.

Cut 7" csg. @ 6,500'. Could not pull. Spot 25 sx. 6,412'-6,550'

TOC @ 6,660' by T.S.

Cut & pulled tubing @ 9,748'

Set cement retainer @ 10,640'. Squeezed perfs w/375 sx. cement.
 Cut tubing @ 10,583'. Could not pull

Penn perforations: 10,702'-11,608'

8 3/4" Hole; Set 7" Csg. @ 11,792'
 Cemented w/1000 sx. 2-Stages
 TOC @ 6,660' by T.S. DV Tool @ 10,554'

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NEW MEXICO OIL CONSERVATION COMMISSION

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

JUL 21 11 44 AM '65

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
		5. State Oil & Gas Lease No. E-5677
6. Name of Operator Security Mobil Oil Company, Inc.		7. Unit Agreement Name
8. Address of Operator Box 1800, Hobbs, New Mexico		8. Farm or Lease Name New Mex "K"
9. Location of Well UNIT LETTER B 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 5 TOWNSHIP 16 S RANGE 37 E NMPM.		9. Well No. 1
		10. Field and Pool, or Wildcat Dean Ferno Penn
15. Elevation (Show whether DF, RT, GR, etc.) 3845 GR		12. County Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIATION WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

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.

Moved in & rigged up pulling unit. Pulled 73-1" & 127-7/8" rods, rods parted in 7/8" slim hole box. Attempt to run socket to fish for rods, stopped @ 450' in paraffin. Cut paraffin @ 2200' pulled out of rope socket. Pulled 25 jts. 2 1/2" tbg. Ran 1 3/4" OS on rods to 1500', no rec., ran 2 prong grab to 4100', no rec. Ran 1 3/4" WO shoe on rods to 4100', milled on fish 1 hr. Pulled shoe & ran 1 3/4" OS, no rec. Ran mill, milled 1 1/2 hrs. Ran 1 3/4" Exp. Block on wire line, showed wire line. Pumped 900 bbl. water down case, worked tbg. hold down loose. Pulled tbg., rods & pump. Ran HOWCo. DC Ret. on tbg. to 10,640'. Attempt to squeeze perfs. 10,702-11,568' w/175 sx Trinity Inferno Neat, pulled out of tool. HOWCo. re-squeezed perfs. w/200 sx Trinity Inferno Neat. Could not pull stinger out of ret. Dialog cut tbg. @ 10,583', tbg. stuck. Ran free point, tbg. stuck @ 9730', free @ 9740'. Cut tbg. @ 9748' & pulled. Filled hole w/mud laden fluid. Dialog cut 7" csz @ 6500', could not pull., cut @ 4933' & pulled. Spotted 25 sx cement plug 6550-6412', spotted 50 sx cement 5040-4906', spotted 25 sx cement 50' to surface. Installed regulation monument. Well Plugged & Abandoned 6/30/65.

Will notify when lease is ready for inspection.

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

SIGNED E. J. Kennon TITLE Group Supervisor DATE 7/20/65

APPROVED BY Fisher A. Cleveland TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 02925	PRO	LE		1	1	05	16S	37E		660890	3647790*	165	40	125
L 02925 APPRO	PRO	LE		1	1	05	16S	37E		660890	3647790*	105	40	65
L 02988	PRO	LE				05	16S	37E		661510	3647187*	105	40	65
L 02988 APPRO	PRO	LE				05	16S	37E		661510	3647187*	105	10	95
L 03206	PRO	LE		1	1	05	16S	37E		660890	3647790*	105	35	70
L 03206 APPRO	PRO	LE		1	2	05	16S	37E		661695	3647800*	105	35	70
L 03255 APPRO	PRO	LE		2	2	05	16S	37E		662097	3647805*	120	30	90
L 04574	PRO	LE				05	16S	37E		661510	3647187*	112	49	63
L 04574 APPRO	PRO	LE				05	16S	37E		661510	3647187*	112	49	63

Average Depth to Water: **36 feet**

Minimum Depth: **10 feet**

Maximum Depth: **49 feet**

Record Count: 9

PLSS Search:

Section(s): 5

Township: 16S

Range: 37E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec.	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 02089 APPRO	PRO	LE		4	4	35	15S	36E		661866	3649130*	105	45	60
L 02788	PRO	LE		4	3	35	15S	36E		661059	3649116*	110	60	50
L 02788 APPRO	PRO	LE		4	3	35	15S	36E		661059	3649116*	110	60	50
L 03087	PRO	LE		4	1	35	15S	36E		661046	3649921*	120	60	60
L 03087 APPRO	PRO	LE		4	1	35	15S	36E		661046	3649921*	120	60	60
L 03088	PRO	LE		3	2	35	15S	36E		661450	3649928*	105	45	60
L 03088 APPRO	PRO	LE		3	2	35	15S	36E		661450	3649928*	105	45	60
L 03089	PRO	LE		4	4	35	15S	36E		661866	3649130*	105	45	60
L 03089 APPRO	PRO	LE		4	4	35	15S	36E		661866	3649130*	105	45	60
L 03113	PRO	LE		3	3	35	15S	36E		660656	3649109*	105	40	65
L 03113 APPRO	PRO	LE		3	3	35	15S	36E		660656	3649109*	105	40	65
L 03157	PRO	LE		1	1	35	15S	36E		660637	3650317*	120	55	65
L 03157 APPRO	PRO	LE		1	1	35	15S	36E		660637	3650317*	120	55	65
L 03376	PRO	LE		1	1	35	15S	36E		660637	3650317*	120	65	55
L 03376 APPRO	PRO	LE		1	1	35	15S	36E		660637	3650317*	120	65	55
L 03811	PRO	LE		2	4	35	15S	36E		661860	3649532*	117	60	57
L 03811 APPRO	PRO	LE		2	4	35	15S	36E		661860	3649532*	117	60	57
L 04810	STK	LE		3	2	35	15S	36E		661450	3649928*	92	64	28
L 09715	PRO	LE		4	3	1	35	15S	36E	660742	3649813*	140	70	70
L 09745	DOM	LE			3	35	15S	36E		660857	3649310*	106	65	41
L 11359	DOM	LE		3	3	35	15S	36E		660656	3649109*	180	55	125

Average Depth to Water: **55 feet**

Minimum Depth: **40 feet**

Maximum Depth: **70 feet**

Record Count: 21

PLSS Search:

Section(s): 35

Township: 15S

Range: 36E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 29, 2011

J. LEWIS

SUNDOWN ENERGY

100 O BRIEN AVE.

WICKETT, TX 79788

RE: WATER SAMPLE

Enclosed are the results of analyses for samples received by the laboratory on 03/21/11 11:17.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 SUNDOWN ENERGY
 J. LEWIS
 100 O BRIEN AVE.
 WICKETT TX, 79788
 Fax To: NOT GIVEN

 Received: 03/21/2011
 Reported: 03/29/2011
 Project Name: WATER SAMPLE
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 03/17/2011
 Sampling Type: Water
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WATER SAMPLE FOR LEE 396 (H100539-01)
Bicarbonate 310.1M mg/L Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Bicarbonate	151	5.00	03/23/2011	ND	976	97.6	1000	3.26	

BTEX 8260B mg/L Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	03/23/2011	ND	0.020	102	0.0200	0.0977	
Toluene*	<0.001	0.001	03/23/2011	ND	0.021	103	0.0200	1.27	
Ethylbenzene*	<0.001	0.001	03/23/2011	ND	0.022	110	0.0200	0.958	
Total Xylenes*	<0.003	0.003	03/23/2011	ND	0.060	100	0.0600	1.20	

Surrogate: Dibromofluoromethane 90.2 % 80-120

Surrogate: Toluene-d8 100 % 80-120

Surrogate: 4-Bromofluorobenzene 88.8 % 80-120

Calcium SM3500Ca-D mg/L Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Calcium	107	1.60	03/28/2011	ND	52.1	104	50.0	0.00	

Carbonate 310.1M mg/L Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Carbonate	<0.00	0.00	03/23/2011	ND	ND		0.00		

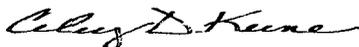
Chloride, SM4500Cl-B mg/L Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	148	4.00	03/23/2011	ND	100	100	100	3.92	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SUNDOWN ENERGY
 J. LEWIS
 100 O BRIEN AVE.
 WICKETT TX, 79788
 Fax To: NOT GIVEN

 Received: 03/21/2011
 Reported: 03/29/2011
 Project Name: WATER SAMPLE
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 03/17/2011
 Sampling Type: Water
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

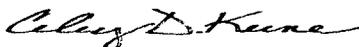
Sample ID: WATER SAMPLE FOR LEE 396 (H100539-01)

Conductivity 120.1		uS/cm		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Conductivity	995	1.00	03/23/2011	ND	1420	101	1410	0.504		
Magnesium SM3500MgE		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Magnesium	16.5	1.00	03/28/2011	ND	51.0	102	50.0	1.16		
pH		pH Units		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
pH	6.90	0.100	03/23/2011		7.03	100	7.00	0.289		
Potassium 8049		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Potassium	1.35	1.00	03/28/2011	ND	7.73	96.6	8.00	2.60		
Sodium Calculated		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sodium	56.0	1.00	03/28/2011	ND						
Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	122	10.0	03/24/2011	ND	41.5	104	40.0	0.00		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	606	5.00	03/22/2011	ND				4.60		
Total Alkalinity 310.1M		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 SUNDOWN ENERGY
 J. LEWIS
 100 O BRIEN AVE.
 WICKETT TX, 79788
 Fax To: NOT GIVEN

 Received: 03/21/2011
 Reported: 03/29/2011
 Project Name: WATER SAMPLE
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 03/17/2011
 Sampling Type: Water
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

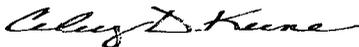
Sample ID: WATER SAMPLE FOR LEE 396 (H100539-01)

Total Alkalinity 310.1M		mg/L		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Alkalinity, Total	124	4.00	03/23/2011	ND	800	97.6	820	3.17	
TPH 8015M		mg/L		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	03/22/2011	ND	25.0	100	25.0	1.87	
DRO >C10-C28	<1.00	1.00	03/22/2011	ND	26.7	107	25.0	0.221	
Surrogate 1-Chlorooctane	113 %	70-130							
Surrogate 1-Chlorooctadecane	113 %	70-130							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

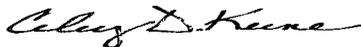
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: <u>Sundown Energy</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager:		P.O. #:																							
Address: <u>100 O'Brien Ave.</u>		Company:																							
City: <u>Wickett</u> State: <u>TX</u> Zip: <u>79798</u>		Attn:																							
Phone #: <u>432-943-8770</u> Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name: <u>Water sample for Lee 396</u>		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name: <u>Jason Able</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV		SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME											
<u>#100531</u>	<u>Water Sample for Lee 396</u>												<u>3/17/11</u>	<u>10:00</u>	<u>Cations/Anions</u>	<u>TPH</u>	<u>BTEX</u>								

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Relinquished By: <u>[Signature]</u>	Date: <u>3/17/11</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <u>[Initials]</u>	REMARKS: <u>email jlewis@sundownenergy.com</u> <u>jpa326@yahoo.com</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Form C-108
Affirmative Statement
Sundown Energy, L.P.
Kochia AAM State Well No. 1
990' FSL & 2310' FEL (Unit O)
Section 35, T-15 South, R-36 East, NMPM,
Lea County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



David Catanach
Agent for Sundown Energy, L.P.



Date

Sundown Energy, L.P.
Form C-108; Kochia AAM State No. 1
AOR Offset Operator/Lessee Identification

Description	Section	Twn.	Rng.	Lease Type	Lease Number	Operator	Lessee
SE/4 SW/4	35	15S	36E	Fee	N/A	Sundown Energy, L.P.	
SW/4 SW/4	35	15S	36E	Fee	N/A		Sundown Energy, L.P.
SW/4 SE/4	35	15S	36E	State	VB-1967	Sundown Energy, L.P.	
SE/4 SE/4	35	15S	36E	State	VB-1967		Chase Oil Corporation
NW/4 SW/4	35	15S	36E	State	EO-1075	V-F Petroleum, Inc.	
NE/4 SW/4	35	15S	36E	State	EO-1075		Sundown Energy, L.P.
NW/4 SE/4	35	15S	36E	State	VB-1967		Chase Oil Corporation
NE/4 SE/4	35	15S	36E	State	VB-1967		Chase Oil Corporation
SW/4 NW/4	35	15S	36E	State	EO-1075	Lynx Petroleum Inc.	
SE/4 NW/4	35	15S	36E	State	EO-1075	Sundown Energy, L.P.	
SW/4 NE/4	35	15S	36E	State	EO-1075		Sundown Energy, L.P.
SE/4 NE/4	35	15S	36E	State	EO-1075	Sundown Energy, L.P.	
N/2	5	16S	37E	State	No Lease No.		Unleased-Commissioner of Public Lands for the State of N.M.
NW/4 SW/4	36	15S	36E	State	VB-1618		Yates Petroleum Corporation
SW/4 SW/4	36	15S	36E	State	VB-1618		Yates Petroleum Corporation
NE/4 NE/4	6	16S	37E	State	VO-5087		Chesapeake Operating, Inc.

Note: State of New Mexico is the surface owner of the land on which the Kochia AAM State No. 1 is located.

Sundown Energy, L.P.
Form C-108: Kochia AAM State No. 1
Section 35, T-15 South, R-36 East, NMPM
Lea County, New Mexico

Offset Operator/Leasehold Owner Notification List

Chase Oil Corporation
11352 Lovington Highway
Artesia, New Mexico 88210

V-F Petroleum, Inc.
P. O. Box 1889
Midland, Texas 79702

Lynx Petroleum Consultants, Inc.
P. O. Box 1708
Hobbs, New Mexico 88241

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, New Mexico 88210

Chesapeake Operating, Inc.
P. O. Box 18496
Oklahoma City, Oklahoma 73154

Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Additional Notice

Oil Conservation Division (Hobbs Office)
1625 N. French Drive
Hobbs, New Mexico 88240

April 25, 2011

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: Offset Operators/Lessees & Surface Owners
(See Attached List)

Re: Sundown Energy, L.P.
Form C-108 (Application for Authorization to Inject)
Kochia AAM State Well No. 1
990' FSL & 2310' FEL (Unit O)
Section 35, T-15 South, R-36 East, NMPM,
Lea County, New Mexico

Dear Sir:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Sundown Energy, L.P. Kochia AAM State Well No. 1 located in Section 35, Township 15 South, Range 36 East, NMPM, Lea County, New Mexico. You are being provided a copy of the application as either the surface owner of the land on which the proposed produced water disposal well is located, or as an offset operator/leasehold owner. Sundown Energy, L.P. proposes to deepen the subject well and inject produced water into the lower Devonian interval from 13,800' to 14,500'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (505) 690-9453.

Sincerely,



David Catanach
Agent for Sundown Energy, L.P.
13455 Noel Road, Suite 2000
Dallas, Texas 75240

Enclosure

Form C-108
Sundown Energy, L.P.
Kochia AAM State Well No. 1
Section 35, T-15 South, R-36 East, NMPM,
Lea County, New Mexico

The following-described legal notice will be published on **April 27, 2011** in the:

Hobbs News-Sun
201 N. Thorp
Hobbs, New Mexico 88240
Fax No. (575) 397-0610
E-Mail: business@hobbsnews.com

The Affidavit of Publication will be forwarded to the Division upon receipt by Sundown Energy, L.P.

LEGAL NOTICE

Sundown Energy, L.P., 13455 Noel Road, Suite 2000, Dallas, Texas 75240 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to convert the Kochia AAM State Well No. 1 (API No. 30-025-28905) located 990 feet from the South line and 2310 feet from the East line (Unit O) of Section 35, Township 15 South, Range 36 East, NMPM, Lea County, New Mexico to a produced water disposal well in the Devonian formation. Injection is to occur through the Devonian perforated interval from approximately 13,800 feet to 14,500 feet.

Produced water from the Dean-Devonian Pool originating from Sundown Energy, L.P. operated wells in this area will be injected into the Kochia AAM State No. 1 at average and maximum rates of 1,500 and 2,500 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be approximately 2,760 psi. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach Agent-Sundown Energy, L.P. at (505) 690-9453.

Jones, William V., EMNRD

From: David Catanach [drcatanach@netscape.com]
Sent: Tuesday, May 10, 2011 6:16 AM
To: Jones, William V., EMNRD
Subject: Publication
Attachments: Notice of Publication.pdf

Will,

Attached is the publication notice for the Sundown Energy, LP Kochia AAM State Well No. 1.

This administrative application for SWD was submitted to OCD on April 29th.

If you need anything else, please let me know.

David

Netscape. Just the Net You Need.

Affidavit of Publication

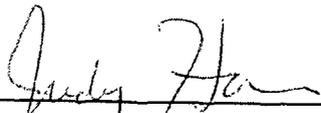
State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER

of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

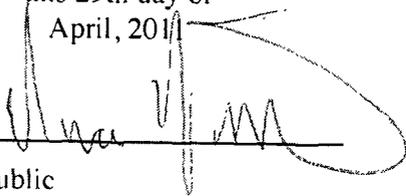
of 1 issue(s).

Beginning with the issue dated
April 27, 2011
and ending with the issue dated
April 27, 2011



PUBLISHER

Sworn and subscribed to before me
this 29th day of
April, 2011



Notary Public

My commission expires
February 09, 2013
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL

LEGAL

LEGAL NOTICE
APRIL 27, 2011

Sundown Energy, L.P., 13455 Noel Road, Suite 2000,
Dallas, Texas 75240 has filed a Form C-108 (Applica-
tion for Authorization to Inject) with the Oil Conserva-
tion Division seeking administrative approval to con-
vert the Kochia AAM State Well No. 1 (API No.
30-025-28905) located 990 feet from the South line and
2310 feet from the East line (Unit O) of Section 35,
Township 15 South, Range 36 East, NMPM, Lea
County, New Mexico to a produced water disposal well
in the Devonian formation. Injection is to occur
through the Devonian perforated interval from approxi-
mately 13,800 feet to 14,500 feet.

Produced water from the Dean-Devonian Pool originat-
ing from Sundown Energy, L.P. operated wells in this
area will be injected into the Kochia AAM State No. 1 at
average and maximum rates of 1,500 and 2,500 barrels
of water per day, respectively. The initial surface injection
pressure for the well is anticipated to be approxi-
mately 2,760 psi. The maximum surface injection pres-
sure will be determined by step rate injection test.

Interested parties must file objections with the New
Mexico Oil Conservation Division, 1220 S. St. Francis
Drive, Santa Fe, New Mexico 87505, within 15 days of
the date of this publication.

Additional information can be obtained by contacting
Mr. David Catanach Agent-Sundown Energy, L.P. at
(505) 690-9453.
#26547

02108664

00071454

DAVID CATANACH
REGULATORY CONSULTANT
1142 VUELTA DE LAS ACEQUIAS
SANTA FE, NM 87507

7010 0780 0002 0835 0711

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OKLAHOMA CITY OK 73154 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *Chesapeake Operating, Inc.*
 Street, Apt. No., or PO Box No. *P.O. Box 18496*
 City, State, ZIP+4 *Oklahoma City, OK 73154*

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0002 0835 0735

U.S. Postal Service
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For delivery information visit our website at www.usps.com

HOBBS NM 88241 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *Hunx Petroleum Consultants, Inc.*
 Street, Apt. No., or PO Box No. *P.O. Box 1708*
 City, State, ZIP+4 *Hobbs, New Mexico 88241*

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0002 0835 0759

U.S. Postal Service
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(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

ARTESIA NM 88210 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *Chase Oil Corporation*
 Street, Apt. No., or PO Box No. *1135a Lovington Highway*
 City, State, ZIP+4 *Artesia, New Mexico 88210*

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0002 0835 0704

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SANTA FE NM 87504-1148 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *Commissioner of Public Lands*
 Street, Apt. No., or PO Box No. *P.O. Box 1148*
 City, State, ZIP+4 *Santa Fe, N.M. 87504-1148*

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0002 0835 0728

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

ARTESIA NM 88210 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *Hales Petroleum Corporation*
 Street, Apt. No., or PO Box No. *105 S. Fourth Street*
 City, State, ZIP+4 *Artesia, New Mexico 88210*

PS Form 3800, August 2006 See Reverse for Instructions

7010 0780 0002 0835 0742

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79702 OFFICIAL USE

Postage	\$ 2.48	0501
Certified Fee	\$ 2.85	02
Return Receipt Fee (Endorsement Required)	\$ 2.30	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	APR 25 2011
Total Postage & Fees	\$ 7.63	04/25/2011

Sent To *V-F Petroleum Inc.*
 Street, Apt. No., or PO Box No. *P.O. Box 1889*
 City, State, ZIP+4 *Midland, Texas 79702*

PS Form 3800, August 2006 See Reverse for Instructions

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, May 31, 2011 10:32 AM
To: 'drcatanach@netscape.com'
Cc: Ezeanyim, Richard, EMNRD; Sanchez, Daniel J., EMNRD; Phillips, Dorothy, EMNRD; Gonzales, Elidio L, EMNRD
Subject: Disposal application from Sundown Energy, LP: Kochia AAM State #1 30-025-28905 Devonian 13800 - 14500
Attachments: SundownSWD.xps

Tracking:	Recipient	Read
	'drcatanach@netscape.com'	
	Ezeanyim, Richard, EMNRD	Read: 5/31/2011 10:33 AM
	Sanchez, Daniel J., EMNRD	
	Phillips, Dorothy, EMNRD	
	Gonzales, Elidio L, EMNRD	

Hello Mr. Catanach:
Sending this to you as agent for Sundown Energy, LP.

Reviewed this application and it is all well except for:

Needing a "before" conversion wellbore diagram and ... on the "proposed diagram" insert the Kickoff point depth and correct the tubing size. (The well file indicates the KOP will be 13300 feet and a tapered 2-7/8 – 2-3/8 tubing string will be run.)

The main item is that Sundown requires one single well bond to be posted for another well – so the Rule 5.9 status is not good.

I could release this permit ASAP if they post this bond with Dorothy.

But someone should let me know when this is done so I will not have to keep checking?

Please forward this email to someone at Sundown Energy as it has the name of the well requiring a bond.

Regards,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

Jones, William V., EMNRD

From: David Catanach [drcatanach@netscape.com]
Sent: Wednesday, June 01, 2011 10:47 AM
To: Jones, William V., EMNRD
Cc: Ross Pearson; Steve King
Subject: Re: Disposal application from Sundown Energy, LP: Kochia AAM State #1 30-025-28905 Devonian 13800 - 14500
Attachments: Schematics.pdf

Will,

As you requested, attached are current and revised proposed wellbore schematics for the Kochia AAM State No. 1. I will check with Sundown regarding the one well bond.

If you need anything else, give me a call.

David Catanach

--- William.V.Jones@state.nm.us wrote:

From: "Jones, William V., EMNRD" <William.V.Jones@state.nm.us>
To: "drcatanach@netscape.com" <drcatanach@netscape.com>
CC: "Ezeanyim, Richard, EMNRD" <richard.ezeanyim@state.nm.us>, "Sanchez, Daniel J., EMNRD" <daniel.sanchez@state.nm.us>, "Phillips, Dorothy, EMNRD" <dorothy.phillips@state.nm.us>, "Gonzales, Elidio L, EMNRD" <ElidioL.Gonzales@state.nm.us>
Subject: Disposal application from Sundown Energy, LP: Kochia AAM State #1 30-025-28905 Devonian 13800 - 14500
Date: Tue, 31 May 2011 16:31:33 +0000

Hello Mr. Catanach:

Sending this to you as agent for Sundown Energy, LP.

Reviewed this application and it is all well except for:

Needing a "before" conversion wellbore diagram and

... on the "proposed diagram" insert the Kickoff point depth and correct the tubing size.

(The well file indicates the KOP will be 13300 feet and a tapered 2-7/8 – 2-3/8 tubing string will be run.)

The main item is that Sundown requires one single well bond to be posted for another well – so the Rule 5.9 status is not good.

I could release this permit ASAP if they post this bond with Dorothy.

Jones, William V., EMNRD

From: Swazo, Sonny, EMNRD
Sent: Thursday, June 16, 2011 9:54 AM
To: Jones, William V., EMNRD
Subject: Injection Permit for Kochia AAM State #1, 30-025-28905, Sundown Energy LP OGRID 232611

Will:

This email concerns the above injection permit that is being held due to Sundown Energy LP being out of compliance with 19.15.5.9 NMAC due to financial assurance. Operator appears to be out of compliance with additional financial assurances solely to the State of New Mexico #2 (30-025-26605). However, according to Sundown and its consultant, David Catanach, the well was returned to production in May 2011. The well will not fall off the system until at least July 15, 2011, when the C-115's are due. Since the well is producing, the additional financial assurance for the State of New Mexico #2 appears to be resolved. Therefore, do not count the additional financial assurance for the State of New Mexico #2 towards Sundown's compliance with 19.15.5.9 NMAC.

Thanks,

Sonny

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1288 Permit Date 0/12/11 UIC Qtr (A)(M/J)

Wells 1 Well Name(s): ROCHA AAM State #1

API Num: 30-025-28905 Spud Date: 9/21/84 New/Old: N (UIC primacy March 7, 1982)

Footages 990 FSL/2310 FEL Unit 0 Sec 35 Tsp 155 Rge 36E County LEA

General Location: 5 mi NE of LOVINGTON

Operator: SUNDOWN ENERGY, L.P. Contact DAVID CATANACH - AGENT

OGRID: 232611 RULE 5.9 Compliance (Wells) 2/50=OK (Finan Assur) X IS 5.9 OK? X

Well File Reviewed Current Status: SI DEV/Pann Producer (13594-98)

Planned Work to Well: SIDETRACK & DEEPEN

Diagrams: Before Conversion _____ After Conversion Elogs in Imaging File:

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
	Hole.....	Pipe				
New ___ Existing <input checked="" type="checkbox"/> Surface	<u>17 1/2</u>	<u>13 1/8</u>	<u>404'</u>		<u>435</u>	<u>CIRC</u>
New ___ Existing <input checked="" type="checkbox"/> Interm	<u>11</u>	<u>8 5/8</u>	<u>4922</u>		<u>2300</u>	<u>CIRC</u>
New ___ Existing <input checked="" type="checkbox"/> LongSt	<u>7 7/8</u>	<u>5 1/2</u>	<u>13,800'</u>	<u>12802</u>	<u>250/350</u>	<u>8950 CBL</u>
New <input checked="" type="checkbox"/> Existing ___ Liner	<u>4 3/4</u>	<u>4"</u>	<u>11,300'-14,500'</u>		<u>75</u>	<u>(CIRC TO TOP)</u>
New ___ Existing ___ OpenHole			<u>14,500 TD (Proposed)</u>			

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above	<u>13592</u>	<u>DEV</u>	<input checked="" type="checkbox"/>
Injection TOP:	<u>13800</u>	<u>DEVonian</u>	Max. PSI <u>2700</u> OpenHole Perfs <input checked="" type="checkbox"/>
Injection BOTTOM:	<u>14500</u>	<u>"</u>	Tubing Size <u>2 1/8</u> Packer Depth <u>13750'</u>
Formation(s) Below			

Capitan Reef? (Potash? Noticed?) [WIPP? Noticed?] Salado Top/Bot 22636-3187 Cliff House?

Fresh Water: Depths: 165' TO Formation DEV Wells? yes Analysis? 66 mg/L Affirmative Statement

Disposal Fluid Analysis? Sources: Sundown's wells (DEV) ~ 1500 BTWPD

Disposal Interval: Analysis? Production Potential/Testing: (below O/W CONTACT)

Notice: Newspaper Date 4/27/11 Surface Owner SLO. Mineral Owner(s)

RULE 26.7(A) Affected Persons: Chae/V/F/L/IX/Y/E/Chaept

AOR: Maps? Well List? Producing in Interval? yes Wellbore Diagrams? yes

.....Active Wells 0 Repairs? 0 Which Wells? _____

.....P&A Wells 1 Repairs? 0 Which Wells? _____

Issues: _____ Request Sent _____ Reply: _____

also see sup-423 in H/35
 See sup-13 in F/35

(Handwritten scribble)

(Handwritten scribble)

2 3/8 TAPER
22636-3187

yes DEV. offset in TAED