SWD 596

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: OLSEN ENERGY, INC. Well: CORBIN '35' STATE NO. 1

Contact: DICK MORTON Title: DRLG/PROD. MGR. Phone: 210 496-2466

DATE IN 4-17-95 ORIGINALLY RELEASE DATE 5-1-95 DATE OUT 6-23-95

Proposed Iniection Application is for: __ WATERFLOOD __ Expansion __ Initial

Original Order: R- _____ __ Secondary Recovery __ Pressure Maintenance

SENSITIVE AREAS X SALT WATER DISPOSAL

__WIPP __ Capitan Reef __ Commercial Operation

Data is complete for proposed well(s)? YES Additional Data RECEIVED

AREA of REVIEW WELLS

14 Total # of AOR 2 # of Plugged Wells

YES Tabulation Complete YES Schematics of P & A's

** Cement Tops Adequate 1 AOR Repair Required ~~STATE '35' #3~~ REPAIR SUBJECT INSTEAD

INJECTION INFORMATION

Injection Formation(s) QUEEN

Source of Water AREA PRODUCERS Compatible YES

PROOF OF NOTICE

__ Copy of Legal Notice __ Information Printed Correctly

__ Correct Operators __ Copies of Certified Mail Receipts

__ Objection Received __ Set to Hearing _____ Date

NOTES: WROTE FOR ADD. INFO ON 5-10-95 -- RECEIVED INFO ON 6-16-95

** NEED TO SET CIBP IN SUBJECT WELL @ APPRX 3980 W/30' CMT

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: __ Telephoned __ Letter _____ Date Nature of Discussion _____

2nd Contact: __ Telephoned __ Letter _____ Date Nature of Discussion _____

3rd Contact: __ Telephoned __ Letter _____ Date Nature of Discussion _____

RELEASE DATE SATISIFIED
NEW INFO RECEIVED

PHONE: 210/496-2466
FAX: 210/496-9595

16414 SAN PEDRO, SUITE 470

...N DIVISION

...8 52

OLSEN ENERGY, INC.

Oil & Gas Development
SAN ANTONIO, TEXAS 78232-2246

June 12, 1995

Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Attention: Mr. Benjamin E. Stone

dBase filed 247

Re: Application for Authorization
to Inject
Corbin "35" State No. 1

Dear Mr. Stone:

Enclosed is our revised application changing the injection zone to the Queen Formation only. Please note that cement tops in the Watt "A" Fed. No. 9, State "35" No. 1 and the Denius Fed. No. 8 have been revised. The tops on our original application were arrived at by using information from log library scout tickets. The revised tops are from completion reports filed with the Oil Conservation Division or data obtained from the current operator.

The 4-1/2" casing in the Denius Federal No. 8 is a full string and not a liner.

If you have any further questions, please call me at (210) 496-2466.

Yours truly,

OLSEN ENERGY, INC.

Dick Morton

Dick Morton
Drilling & Production Manager

5·1·95

PHONE: 210/496-2466
FAX: 210/496-9595

16414 SAN PEDRO, SUITE 470

OIL CONSERVATION DIVISION

'95 APR 17 AM 8 52

OLSEN ENERGY, INC.

Oil & Gas Development
SAN ANTONIO, TEXAS 78232-2246

March 28, 1995

Mr. William J. LeMay
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Application of Olsen Energy, Inc.
for Approval for Use of the
Corbin "35" State No. 1 for
Salt Water Disposal
Section 35-17S-33E
Lea County, New Mexico

Dear Mr. LeMay:

On behalf of Olsen Energy, Inc., please find enclosed a completed Division Form C-108 which represents our request for administrative approval of the referenced well for disposal purposes. This application is for authority to dispose of produced water into the Queen-Grayburg-San Andres formation in the perforated interval 3856'-3877' and open hole 3999'-5100' in the Corbin "35" State No. 1 located 2310' FNL & 330 FWL of Section 35, T-17S, R 33 E, NMPM, Lea County, New Mexico.

In accordance with Division notice rules, copies of the application were sent to the surface leasee and offsetting operators within a one-half mile radius of the well. Also, notice was published in the Hobbs Daily News-Sun newspaper (Attachment No. 7).

Yours truly,

OLSEN ENERGY, INC.

Dick Morton

Dick Morton
Drilling/Production Manager

cc: Oil Conservation Division
District I
P.O. Box 1980
Hobbs, New Mexico 88240

Mailed March 8, 1995:

Oxy, USA
Box 50250
Midland, Texas 79701

L.B. Simmons Energy, Inc.
4000 N. Big Spring, Suite 109
Midland, Texas 79707

Dallas Production
4600 Greenville Avenue
Dallas, Texas 75206-5038

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Pearce Trust (Grazing Lease)
1717 Jackson
Pecos, Texas 79772

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Olsen Energy, Inc.

Address: 16414 San Pedro, Suite 470, San Antonio, Texas 78232

Contact party: Dick Morton Phone: (210) 496-2466

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

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

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

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

VII. Attach data on the proposed operation, including:

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

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

IX. Describe the proposed stimulation program, if any.

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

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

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

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

XIV. Certification

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

Name: Dick Morton Title Drilling/Production Mgr.

Signature: Dick Morton Date: March 8, 1995

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

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

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

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

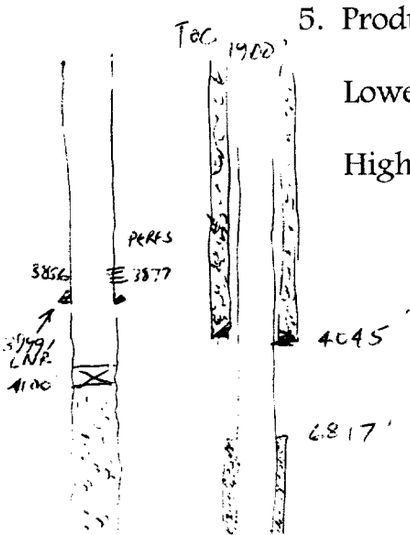
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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

OLSEN ENERGY, INC.
CORBIN "35" STATE NO. 1

III WELL DATA (See attachment no. 1)

A. 1. Name and Location	Corbin "35" State No. 1 2310' FNL & 330' FWL Sec 35-17S-33E Lea County, New Mexico
2. Casing Surface:	13-3/8" OD, 48# set at 292' (17-1/2" hole). Cemented with 350 sacks; circulated to surface
Protection:	8-5/8" OD, 24# & 28# (11" hole) set at 2780'. Cemented with 900 sacks HLW & 300 sacks "C", circulated to surface.
Production:	4-1/2" OD, 9.5# (7-7/8" hole) set at 3999'. Cemented with 485 sacks Class "C" Poz w/2% gel & 6# salt. TOC @ 2400' (calc).
Open Hole:	7-7/8" hole 3999' to 5100'. (Orig TD 9000' - PBTD 5100')
3. Tubing:	2-3/8" OD 4.7#, J-55 internally plastic coated set at 3800'.
4. Packer:	Baker Model AD-1 tension packer set at 3800'.
B. 1. Injection Formation:	Queen
2. Injection Interval:	3856' - 3877' perforated
3. Original Intent:	Well was drilled as an oil producer.
4. Other Perforations:	There are no other perforations in the well. It was drilled to 9000', plugged back to 4100' and 4-1/2" casing set.
5. Productive Zones:	
Lower:	ABO at 8800' (1/2 mile south) Grayburg-San Andres - 4300' on Lease
Higher:	None



VII. PROPOSED INJECTION OPERATIONS

1. Rates: Average - 400 BWPD
Maximum - 800 BWPD

2. System: Closed

3. Pressures: Average - 750 psi
Maximum - 1000 psi

4. Fluid: Produced water from Grayburg-San Andres (see attached analysis from Corbin "35" State No. 2, Attachment No. 6)

VIII. GEOLOGICAL DATA

A. Injection Zone: The injection zone will be within the Queen Formation in a 40' thick porous fin grained sandstone inter-bedded with tight dolomite 3840-3880' in this well.

B. Fresh Water Sources: Ogallala - base at 200'

IX. STIMULATION PROGRAM None planned

X. LOGGING DATE: Well logs were submitted by Harvey E. Yates Company when it was completed in 1978.

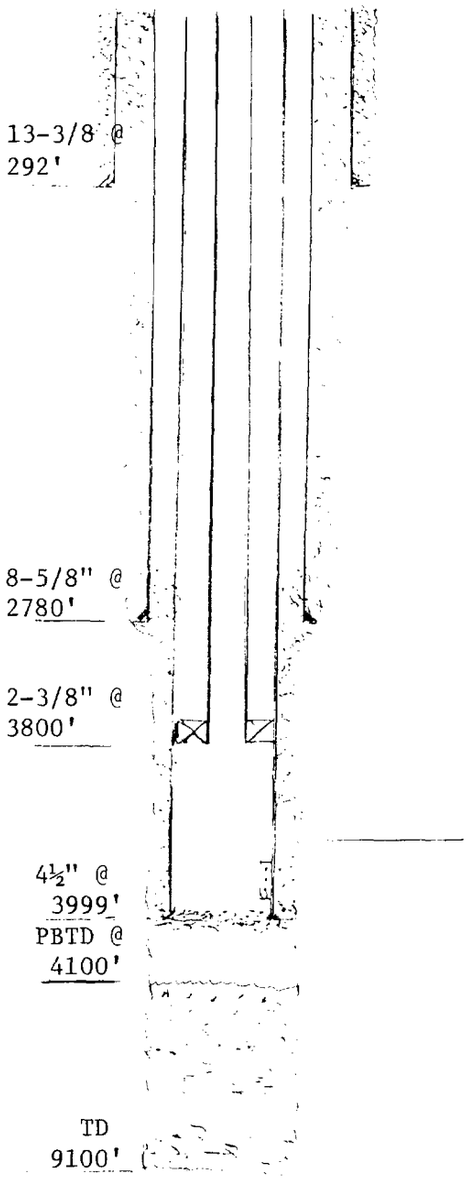
XI. FRESH WATER ANALYSIS: There are no water wells within two miles of this well.

INJECTION WELL DATA SHEET

ATTACHMENT NO. 1

Olsen Energy, Inc.	Corbin "35" State			
OPERATOR	LEASE			
1	2310' FNL & 330' FWL	35	T-17-S	R-33-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic



Tabular Data

Surface Casing @ 292'

Size 13-3/8 " Cemented with 350 sx.

TOC surface feet determined by circulated

Hole size 17½

Intermediate Casing @ 2780'

Size 8-5/8 " Cemented with 1200 sx.

TOC surface feet determined by circulated

Hole size 11"

Long string

Size 4½ " Cemented with 485 sx.

TOC 2400 feet determined by calculated

Hole size 7-7/8

Total depth 9000' - PB to 4100' before setting 4½"

Injection interval

3856 feet to 3877 feet perfs
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with Plastic (material) set in a

Baker Model AD-1 (Tension) (brand and model) packer at 3800 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

2. Name of Field or Pool (if applicable) Corbin (Queen)

3. Is this a new well drilled for injection? / Yes XX No

If no, for what purpose was the well originally drilled? Oil Production from Queen.

Drilled to ABO, plugged back to Queen.

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

No. 1 well was drilled to 9000', plugged back to 4100' and 4½" casing set at 3999'.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Lower: Corbin (ABO) - 8800'

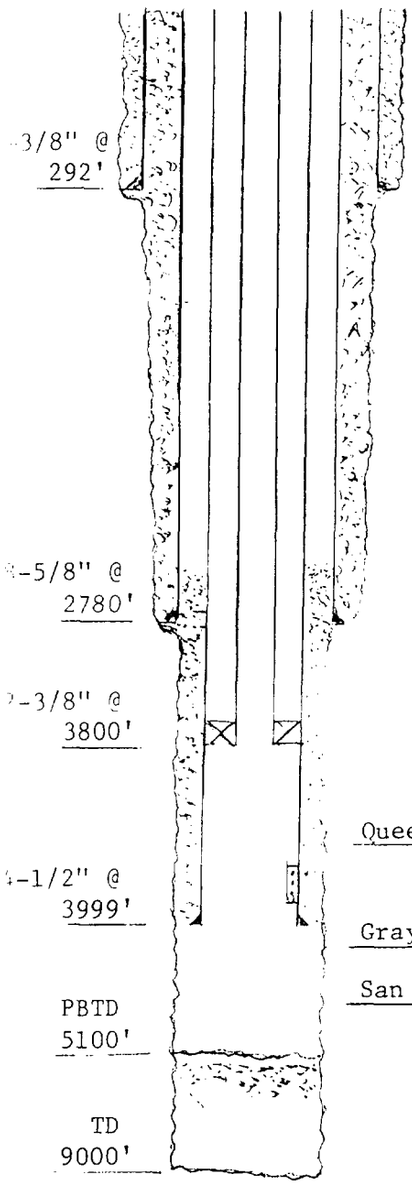
Maljamar (GB-SA) - 4200'

None: None

INJECTION WELL DATA SHEET ATTACHMENT NO. 1

Olsen Energy, Inc.	Corbin "35" State			
OPERATOR	LEASE			
1	2310' FNL & 330' FWL	35	T-17-S	R-33-E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic



Tabular Data

Surface Casing @ 292'

Size 13-3/8 " Cemented with 350 sx.

TOC surface feet determined by circulated

Hole size 17½"

Intermediate Casing 2780'

Size 8-5/8" " Cemented with 1200 sx.

TOC surface feet determined by circulated

Hole size 11"

Long string 3999'

Size 4½" " Cemented with 485 sx.

TOC 2400' feet determined by calculated

Hole size 7-7/8"

Total depth 9000' - PBTD - 5100'

Injection interval

3856 feet to 5100 feet
(perforated or open-hole, indicate which)

3856' to 3877' perforated

3999' to 5100' open hole

Tubing size 2-3/8" lined with plastic (material) set in a

Baker Model AD-1 (tension) (brand and model) packer at 3800 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen - Grayburg/San Andres

2. Name of Field or Pool (if applicable) Maljamar/GB/SA

3. Is this a new well drilled for injection? / / Yes /X/ No

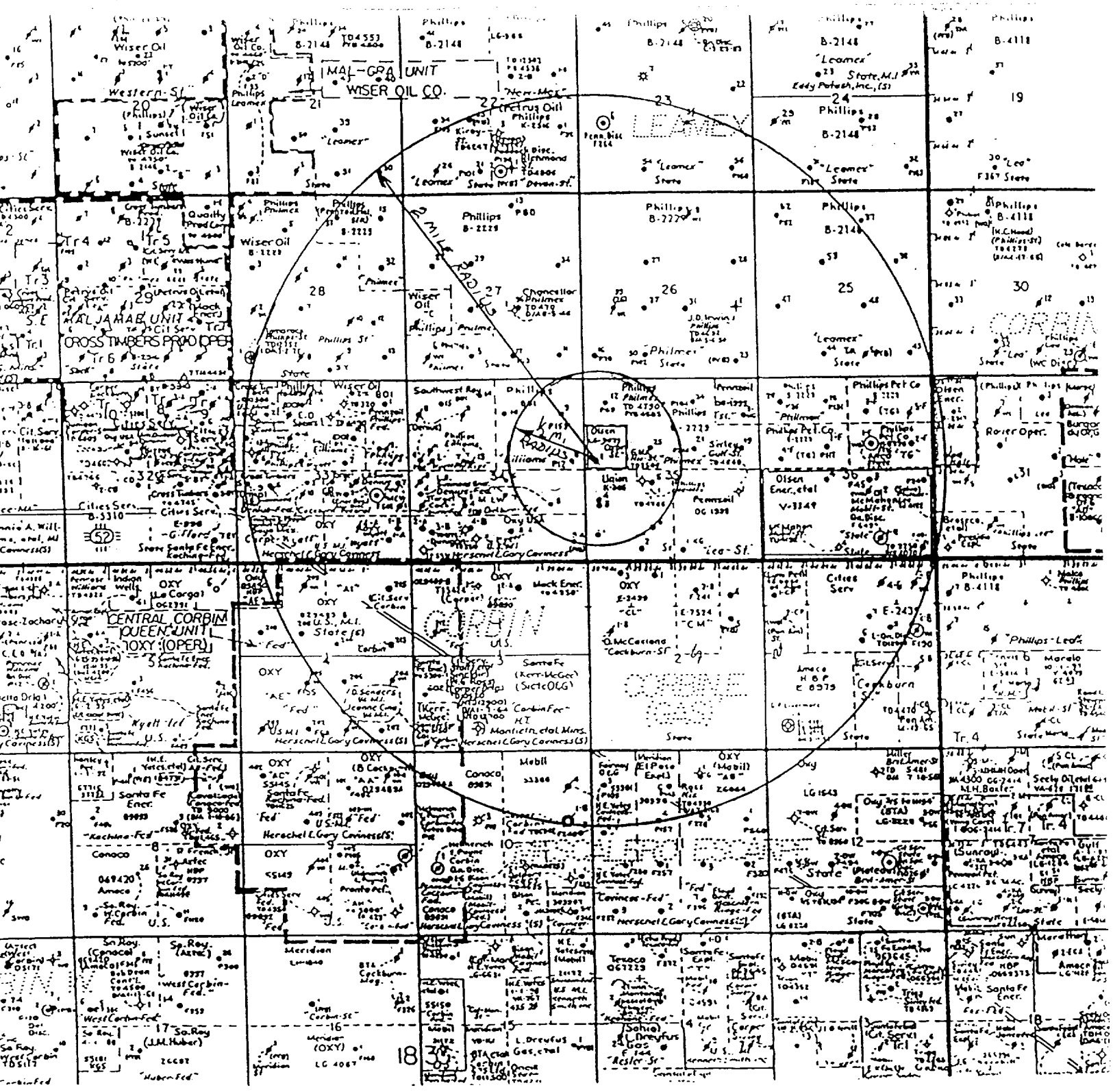
If no, for what purpose was the well originally drilled? oil production from Queen. Drilled to ABO, plugged back to Queen.

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No. Well was originally drilled to 9000', plugged back to 4100' and 4½" casing set at 3999'. Propose to clean out to base of San Andres w/cement plug top at 5100'.

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

Lower: Corbin (ABO)

Higher: None



V. AREA OF REVIEW

ATTACHMENT NO. 2

OLSEN ENERGY, INC.
CORBIN "35" STATE NO. 1
2310' FNL & 330' FWL
SEC. 35-17S-33E
LEA COUNTY, NEW MEXICO

3856-5100

ATTACHMENT NO. 3

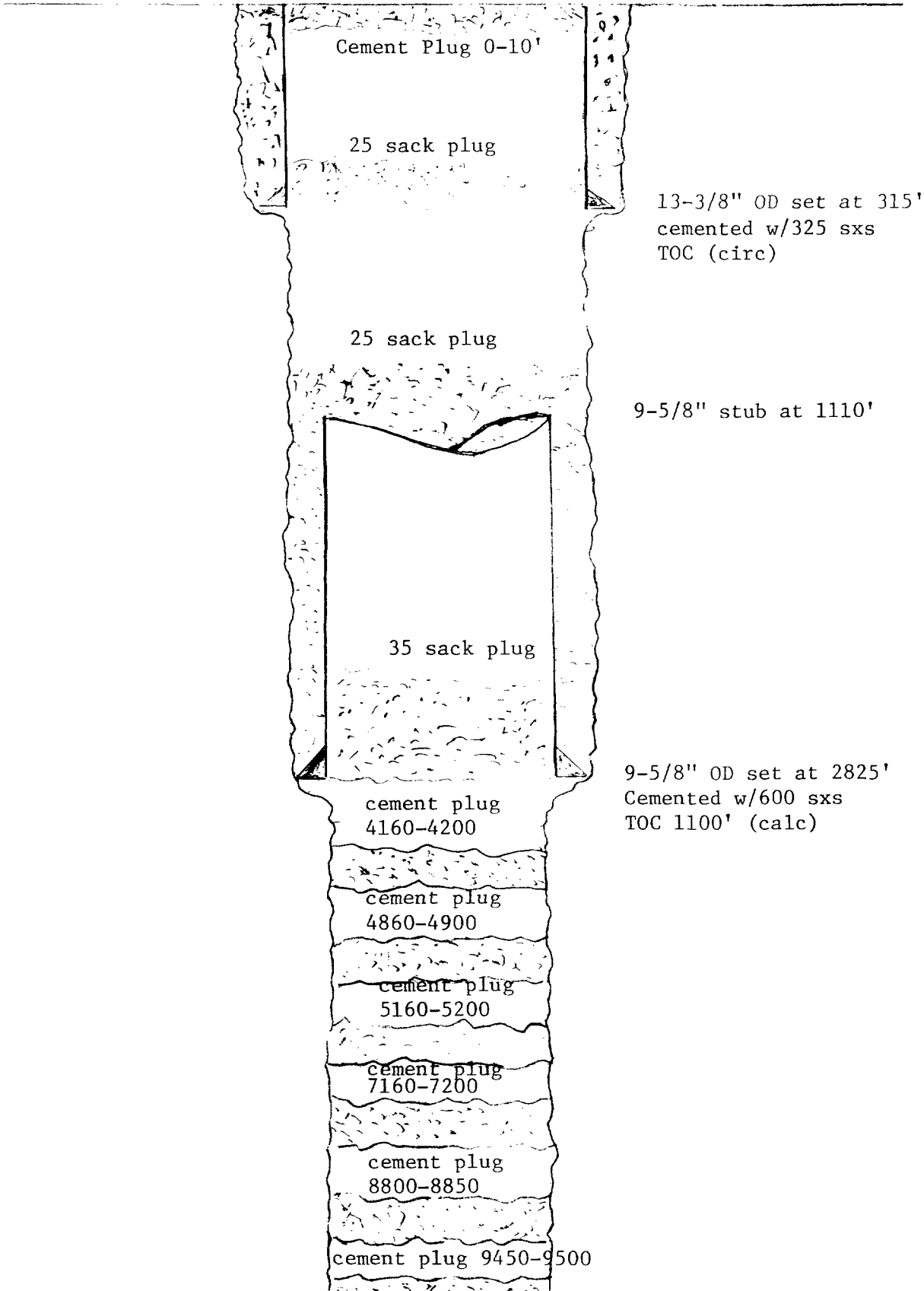
VI. WELLS WITHIN AREA OF REVIEW (1/2 MILE RADIUS)

OPERATOR	WELL NAME	LOCATION	SPUD DATE	TOTAL DEPTH (WELL TYPE)	STRING	CASING SIZE (IN)	DEPTH (FT)	CEMENT (TOC)	PRODUCTION PERFS (ZONE)
OXY, USA	WYATT "A" FED NO. 9	550' FSL & 330' FEL Sec. 34-17S-33E	10-24-62	8925' (OIL)	Surface	11-3/4"	299'	375 sxs (circ)	8824-8838 (ABO)
					Inter.	8-5/8"	[redacted]	775 sxs (circ-calc)	Plug set @ 5283-5862'
					Prod.	5-1/2"	8925'	450 sxs	4551-4712 (GB/SA)
L.B. Simmons Energy, Inc.	DENIUS FED NO. 8	1650' FSL & 990' FEL Sec. 34-17S-33E	7-21-61	8845' (OIL)	Surface	11-3/4"	303'	375 sxs (circ)	8837-8845 (ABO)
					Inter.	8-5/8"	3064'	1050 sxs (circ-calc)	
					Inter.	7"	5885'	100 sxs	
					Prod.	4-1/2"	8845'	725 sxs (5600-calc)	
Dallas Production	STATE "35" NO. 1	760' FSL & 330' FWL Sec. 35-17S-33E	4-1-62	8812' (OIL)	Surface	11-3/4"	360'	275 sxs (circ)	8795-8812 (O.H.) ABO
					Inter.	8-5/8"	[redacted]	500 sxs (2000-calc)	
					Prod.	5-1/2"	8795'	500 sxs	
	STATE "35" NO. 3	1650' FSL & 330' FWL Sec. 35-17S-33E	12-9-62	8794' (OIL)	Surface	11-3/8"	350'	350 sxs (circ)	8742-8777 (ABO)
					Inter.	8-5/8"	[redacted]	550 sxs (1900-calc)	
					Prod.	4-1/2"	8793'	450 sxs	
	STATE "35" NO.4	1750' FSL & 330' FWL Sec. 35-17S-33F	11-24-76	4000' (OIL)	Surface	8-5/8"	356'	175 sxs (circ)	3873-3900 (Queen)
					Prod.	5-1/2"	4000'	635 sxs (circ-calc)	
	STATE "35" NO. 5	2310' FSL & 1980' FWL Sec. 35-17S-33E	2-5-89	4803' (OIL)	Surface	8-5/8"	1610'	775 sxs (circ)	4393-4772 (GB/SA)
					Prod.	5-1/2"	4803'	965 sxs (circ-calc)	

OPERATOR	WELL NAME	LOCATION	SPUD DATE	TOTAL DEPTH (WELL TYPE)	STRING	CASING SIZE (IN)	DEPTH (FT)	CEMENT (TOC)	PRODUCTION PERFS (ZONE)
Dallas Production	STATE "35" NO. 6	990' FSL & 1980' FWL Sec. 35-17S-33E	10-3-89	4850' (OIL)	Surface	8-5/8"	1605'	800 sxs (circ)	4378-4764 (GB/SA)
					Prod.	5-1/2"	4850'	1330 sxs (circ-calc)	
Olsen Energy, Inc.	CORBIN STATE "35" NO. 2	1650' FNL & 990' FWL Sec. 35-17S-33E	12-6-94	4680' (OIL)	Surface	8-5/8"	1506'	685 sxs (circ)	4107-4567 (GB/SA)
					Prod.	5-1/2"	4679'	785 sxs (circ)	
Phillips Petroleum Co.	EILLIAMS NO. 8	2310' FNL & 330' FEL Sec. 34-17S-33E	7-5-79 (original)	4850' (OIL)	Surface	8-5/8"	444'	300 sxs (circ)	3654-4482 (Queen/GB/SA)
			3-11-80 (re-work)		Prod.	4-1/2"	4850'	1050 sxs (240-calc)	
	EILLIAMS FED NO. 9	989' FNL & 660' FEL Sec. 34-17S-33E	2-16-90	4750' (OIL)	Surface	8-5/8"	1519'	1000 sxs (circ)	4301-4564 (GB/SA)
					Prod.	4-1/2"	4750'	1000 sxs (360-calc)	
	PHILMEX NO. 12	660' FNL & 660' FWL Sec. 35-17S-33E	11-3-70 (TA 1-20-71)	4790' (OIL)	Surface	8-5/8"	370'	350 sxs (circ)	4297-4420 (GB/SA)
			12-7-73 (Re-enter)		Prod.	4-1/2"	4789'	300 sxs (3400-calc)	
	PHILMEX NO. 25	1980' FNL & 1980' FWL Sec. 35-17S-33E	10-7-87	4800' (OIL)	Surface	8-5/8"	1500'	1000 sxs (circ)	4332-4536 (GB/SA)
					Prod.	5-1/2"	4800'	1400 sxs (circ-calc)	

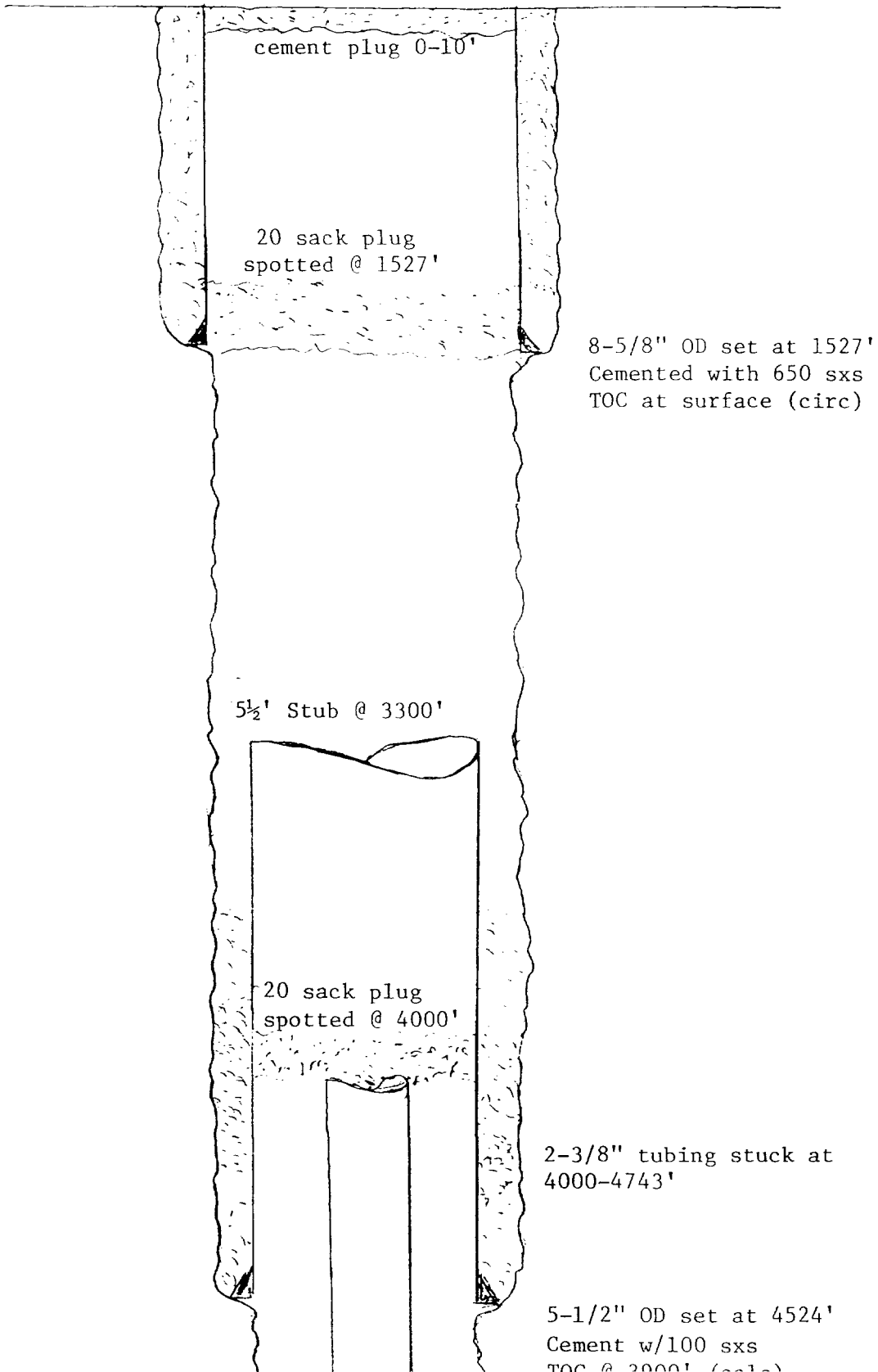
ATTACHMENT NO. 4 (P&A'd)

K-M-G OIL COMPANY
NIX-STATE NO. 1
2310' FSL & 1650' FWL
SEC. 35-17S-33E
LEA COUNTY, N.M.



ATTACHMENT 5

PHILLIPS PETROLEUM COMPANY
NEMEX WELL NO. 1
1980' FSL & 1980' FWL OF
SEC. 35-17S-33E
LEA COUNTY, NEW MEXICO



ATTACHMENT NO. 6

P.O.BOX 2187
HOBBS, N.M. 88240

PHONE: (505) 393-7726

Champion Technologies, Inc.

WATER ANALYSIS REPORT

Report for: Rusty Olson
cc: Frank Gardner
cc:
cc:
Company: Olson Energy
Address:
Service Engineer: Frank Gardner

Date sampled: 02/23/95
Date reported: 02/24/95
Lease or well # : Corbin 35 #2
County: State:
Formation:
Depth:
Submitted by: Frank Gardner

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	102000	2877
Iron (Fe) (total)	21.0	
Total hardness	10200	
Calcium (Ca)	3288	164
Magnesium (Mg)	486	39
Bicarbonates (HCO3)	829	14
Carbonates (CO3)	0	
Sulfates (SO4)	5256	109
Hydrogen sulfide (H2S)	116	
Carbon dioxide (CO2)	1185	
Sodium (Na)	64336	2797
Total dissolved solids	176196	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity	1.125
Density (#/gal.)	9.375
pH	6.270
IONIC STRENGTH	3.16

Stiff-Davis (CaCO3) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = +0.40
104 F = +0.63
122 F = +0.89
140 F = +1.18
158 F = +1.50

This water is 1863 mg/l (33.35%) over ITS CALCULATED CaSO4 saturation value at 82 F.
SATURATION= 5587 mg/L PRESENT= 7450 mg/L

REPORTED BY JOY DUNCAN

LAB TECHNICIAN

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

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

of

1 weeks.

Beginning with the issue dated

March 16, 1995, 19

and ending with the issue dated

March 16, 1995, 19

Kathi Bearden
General Manager

Sword and subscribed to before

me this 21st day of

March, 1995

Marilyn S. Ruffino
Notary Public.

My Commission expires
March 24, 1998
(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 NOTICE
March 16, 1995

NOTICE OF APPLICATION TO DISPOSE OF PRODUCED SALT WATER

Olsen Energy, Inc., 16414 San Pedro, Suite 470, San Antonio, Texas 78232, (210) 496-2466 (contact: Dick Morton) has made application to the Oil Conservation Division to dispose of produced salt water in the Corbin "35" State No. 1 well. The well location is 2310' FNL & 330' FWL, Section 35-17S-33E, Lea County, New Mexico. Disposal will be in the Queen-Grayburg-San Andres formation in the interval 3856'-5100'. Maximum injection rate is 800 BWPD with a maximum of 1000 psi pressure. Interested parties may file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this publication.

ATTACHMENT NO. 7

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

RECEIVED
OCT 5 1961
O. C. C.
ARTESIA, OFFICE

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
Recompletion

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

Abilene, Texas (Place) 10-2-61 (Date)

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

James P. Dunigan (Company or Operator) Dennis-Fed. (Lease), Well No. 8, in NE ¼ SE ¼,

I (Unit Letter), Sec. 34, T. 17 S, R. 33 E, NMPM., Corbin Abo Pool

Lea County. Date Spudded 7-21-61 Date Drilling Completed 9-9-61

Please indicate location:

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

Elevation 4185 Total Depth 8845 PBTD

Top Oil/Gas Pay 8720 Name of Prod. Form. Abo Reef

PRODUCING INTERVAL -

Perforations

Open Hole 8837-45 Depth Casing Shoe 8837 Depth Tubing 8834

OIL WELL TEST -

Natural Prod. Test: 232 bbls.oil, 0 bbls water in 24 hrs, 0 min. Size Choke 16/64

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): bbls.oil, bbls water in hrs, min. Size Choke

GAS WELL TEST -

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

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

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

Choke Size Method of Testing:

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

Casing Press. 0 Tubing Press. 540 Date first new oil run to tanks 9-27-61

Oil Transporter Texas New Mexico Pipe Line Company

Gas Transporter Phillips Petroleum Company

Tubing, Casing and Cementing Record

Size	Feet	Sax
11 3/4	315	275
8 5/8	3070	1050
7"	5885	500
4 1/2	8837	725
2 3/8	8834	

Remarks:

OCT 4 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

Approved ..... 19.....

OIL CONSERVATION COMMISSION

By:

Title

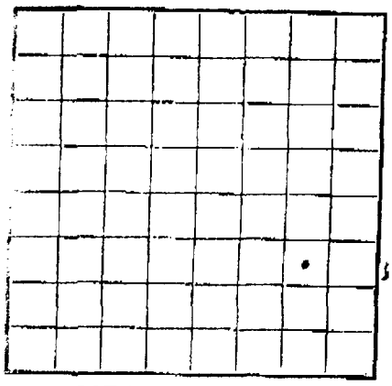
James P. Dunigan (Company or Operator)

By: (Signature)

Title Superintendent

Send Communications regarding well to:

Name James P. Dunigan



LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER NM 04242
LEASE OR PERMIT TO PROSPECT

RECEIVED
1961 OCT 9 AM
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
OCT 4 1961
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
OCT 5 1961
O. C. C.
ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company James P. Dunigan Address 415 Citizens Nat'l Bnk., Abilene, Tex.

Lessor or Tract Denius Federal Field Corbin Abo State New Mexico

Well No. 8 Sec. 34 T. 17S R. 33E Meridian County Lea

Location 1650 ft. [N.] of S Line and 990 ft. [W.] of E Line of Sec. 34 Elevation 4185
(Derrick floor relative to sea level)

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

Signed

Date 10-2-61 Title Superintendent

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

Commenced drilling 7-21-61, 19.... Finished drilling 9-9-61, 19....

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8720 to 8845 No. 4, from ... to ...

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

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

IMPORTANT WATER SANDS

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

No. 2, from ... to ... No. 4, from ... to ...

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
11-3/4	28#	8 Rd.	Armco	315'	TexPat				Surface
8-5/8	24&32	8 Rd.	CF&I	3070	Hall				Intermediate
7	23#	8 Rd.	CF&I	5885	Hall				Intermediate
4-1/2	9.5#	8 Rd.	CF&I	8837	Hall				Oil String
	11.6								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
11-3/4	315	275	Pump & Plug		
8-5/8	3070	1050	Pump & Plug		
7	5885	500	Pump & Plug		
4-1/2	8837	725	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material ... Length ... Depth set ...

Adapters—Material ... Size ...

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 8845 feet, and from ... feet to ... feet

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

DATES

October 2, 1961 Put to producing September 27 1961

The production for the first 24 hours was 232 barrels of fluid of which 100 % was oil; ...% emulsion; ...% water; and ...% sediment. Gravity, °Bé. 38.2

If gas well, cu. ft. per 24 hours ... Gallons gasoline per 1,000 cu. ft. of gas ...

Rock pressure, lbs. per sq. in. ...

FOLD | MARK

Form 3160-4
(November 1983)
(formerly 9-330)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.: LC 062391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Wyatt A-Federal

9. WELL NO.: 9

10. FIELD AND POOL, OR WILDCAT: Maljamar (G-SA)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 34-T17S-R33E

12. COUNTY OR PARISH: Lea

13. STATE: New Mexico

RECEIVED
SEP 28 1987
BUREAU OF LAND MANAGEMENT
Carlsbad, New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP EN [ ] PLUG BACK [X] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Cities Service Oil & Gas Corp.

3. ADDRESS OF OPERATOR: P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 500'FSL & 330'FEL
At top prod. interval reported below: 500'FSL & 330'FEL
At total depth: 500'FSL & 330'FEL
Re-

14. PERMIT NO.	DATE ISSUED
30-025-01402	

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
8-24-87		9-24-87	4131'GR	4131'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8925'	4805'		→		

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4652 - 4712' - Upper Grayburg

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR/CCL

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	35#	297'	17-1/2"	375 sacks	Circulated
8-5/8"	24 & 32#	3149'	12-1/4"	675 sacks	TOC @ 1000'
5-1/2"	15.5 & 17#	8925'	7-7/8"	450 sacks	TOC @ 2700'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4633'	---

31. PERFORATION RECORD (Interval, size and number)
2 SPF @ 4652, 53, 54, 55, 56, 57, 58, 59, 4706, 07, 08, 09, 10, 11 and 4712'. Total of 30 holes (0.40" dia & 13" pen in Beres SS).

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4652 - 4712'	2000 gals 15% NeFe acid + 21,000 gals crosslinked gelled 2% KCL water + 52,100# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
9-13-87	Pumping - 2" x 1-1/2" x 20' - Insert	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-24-87	24 hrs.			56	39	287	696

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
						34.8°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY: S. C. Nichols

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD
SEP 29 1987
NEW MEXICO

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. A. Viterano TITLE Dist. Opr. Mgr. - Prod. DATE 9-25-87

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

†P.O.BOX 2187
HOBBS, N.M. 88240

PHONE: (505) 393-7726

Champion Technologies, Inc.

WATER ANALYSIS REPORT

Report for: Rusty Olson
cc: Frank Gardner
cc:
cc:
Company: Olson Energy
Address:
Service Engineer: Frank Gardner

Date sampled: 02/23/95
Date reported: 02/24/95
Lease or well # : Corbin 35 #2
County: State:
Formation:
Depth:
Submitted by: Frank Gardner

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	102000	2877
Iron (Fe) (total)	21.0	
Total hardness	10200	
Calcium (Ca)	3288	164
Magnesium (Mg)	486	39
Bicarbonates (HCO3)	829	14
Carbonates (CO3)	0	
Sulfates (SO4)	5256	109
Hydrogen sulfide (H2S)	116	
Carbon dioxide (CO2)	1185	
Sodium (Na)	64336	2797
Total dissolved solids	176196	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity	1.125
Density (#/gal.)	9.375
pH	6.270
IONIC STRENGTH	3.16

Stiff-Davis (CaCO3) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = +0.40
104 F = +0.63
122 F = +0.89
140 F = +1.18
158 F = +1.50

This water is 1863 mg/l (33.35%) over ITS CALCULATED CaSO4 saturation value at 82 F.
SATURATION= 5587 mg/L PRESENT= 7450 mg/L

REPORTED BY JOY DUNCAN

LAB TECHNICIAN

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

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

of

1 weeks.

Beginning with the issue dated

March 16, 1995, 19

and ending with the issue dated

March 16, 1995, 19

Kathi Bearden
General Manager

Sword and subscribed to before me this 21st day of March, 1995

Marilyn J. Ruffino
Notary Public.

My Commission expires
March 24, 1998
(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.

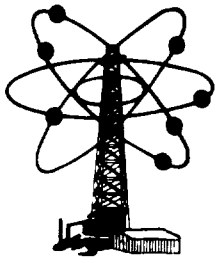
LEGAL NOTICE
March 16, 1995
NOTICE OF APPLICATION TO DISPOSE OF PRODUCED SALT WATER

Olsen Energy, Inc. , 16414 San Pedro, Suite 470, San Antonio, Texas 78232, (210) 496-2466 (contact: Dick Morton) has made application to the Oil Conservation Division to dispose of produced salt water in the Corbin "35" State No. 1 well. The well location is 2310' FNL & 330' FWL, Section 35-17S-33E, Lea County, New Mexico. Disposal will be in the Queen-Grayburg-San Andres formation in the interval 3856'-5100'. Maximum injection rate is 800 BWPD with a maximum of 1000 psi pressure. Interested parties may file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this publication.

ATTACHMENT NO. 7

PHONE: 210/496-2466
FAX: 210/496-9595

16414 SAN PEDRO, SUITE 470



OLSEN ENERGY, INC.

Oil & Gas Development
SAN ANTONIO, TEXAS 78232-2246

January 30, 1996

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Re: Corbin "35" State No. 1
(SWD-596)
SWD - Queen 96117
Injection Profile

Gentlemen:

Please find enclosed an injection profile log run on the subject well on 1-22-96. The test was witnessed by New Mexico Oil Conservation Division representative Mr. Buddy Hill.

Yours truly,

OLSEN ENERGY, INC.

Dick Morton

Dick Morton
Drilling/Production Manager

cc: Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240