

Case 8806

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
 Application qualifies for administrative approval? yes no
- II. Operator: Couina Oil Corporation
 Address: P. O. Drawer 2960 Midland, Texas 79702
 Contact party: D. Patrick Darden Phone: 915-682-6271
- 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: D. Patrick Darden Title Production Engineer
 Signature: D. Patrick Darden Date: 10/7/85

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

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
- (1) Lessee name; Well No.; location by Section, Township, and Range; and footline location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

Coquina Oil Corporation OPERATOR	Pan Canadian LEASE		
1 WELL NO.	1980' FNL & 1980' FWL FOOTAGE LOCATION	34 SECTION	T19S TOWNSHIP
			R25E RANGE

Schematic

SEE ATTACHED PAGE

Tabular DataSurface Casing

Size 13 3/8" Cemented with -- sx.
 TOC surface feet determined by circulation
 Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" Cemented with -- sx.
 TOC surface feet determined by circulation
 Hole size 12 1/4"

Long string

Size 5 1/2" Cemented with 325 sx.
 TOC 7840' feet determined by Temp Survey
 Hole size 7 7/8"
 Total depth 9640'

Injection interval Perfs (OA)

7870' feet to 8196 feet
 (perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with Dont plan to line at this time set in a
 (material)

Guiberson UNI-VI (brand and model) packer at 7820 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Cisco
2. Name of Field or Pool (if applicable) Not applicable
3. Is this a new well drilled for injection? Yes No
 If no, for what purpose was the well originally drilled? Gas well produced from the Morrow and Atoka formation.
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) Morrow: Perf'd 9236-9318' (OA) CIBP set @ 9175' w/35' cement on top. Atoka: Perf'd 8838-8922' (OA) CIBP set @ 8800' w/35' cement on top.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. San Andres 830', Glorieta 2388', Dean (3rd Bone Spring) 6234', Wolfcamp 6552', Cisco 7702', Canyon 8237', Strawn 8512', Atoka 8895', Morrow 9244', Chester 9572'.

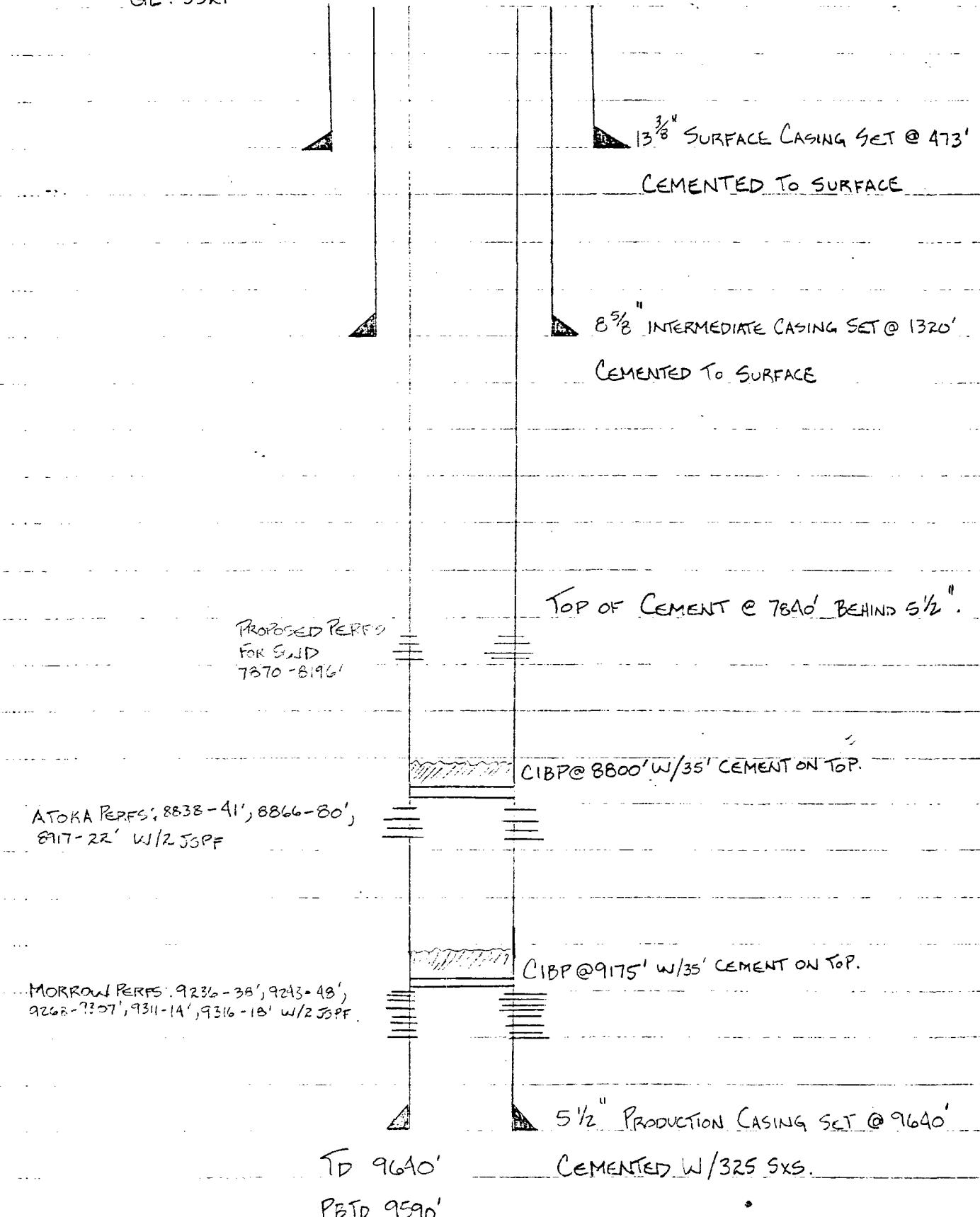
COQUINA OIL CORP.

DPD

WELL DIAGRAM

PAN CANADIAN #1 SWD
(9-20-85)

GL: 3521'



VI Tabulation of Well Data

Stanolind Oil & Gas Company #1 Lakewood Unit
Type Well: Originally Dry; then Penn Gas well, Now P & A.
Date Drilled: 9/25/52 (OWWO 2/14/59)
Location: Sec 34, T19S, R25E, 1980' FSL & 660' FEL.
Depth: TD 10,846'
Record of Completion: SEE PI REPORTS.
Schematic of Plugged well: ATTACHED

J. M. Huber Corporation #1 Irami Federal Com
Type Well: Originally Dry; Now Yeso Oil Well
Date Drilled: 3/14/74
Location: Sec 34, T19S, R25E, 660' FSL & 1980' FWL
Depth: TD 9600'
Record of Completion: SEE PI REPORTS.
Schematic of Plugged well: ATTACHED

Coquina Oil Corporation #1 Aikman
Type Well: Dry and Abandoned
Date Drilled: 1/10/74
Location: Sec 27, T19S, R25E 660' FSL & 1980' FWL
Depth: 9544'
Record of Completion: SEE PI REPORTS.
Schematic of Plugged well: ATTACHED

VII (1) Proposed average and maximum daily rate and volume of fluids to be injected.

<u>Rates</u>	<u>Volumes</u>
--------------	----------------

Average: 445 BWPD (est)	Average: Same
Maximum: 550 BWPD (est)	Maximum: Same

(2) System open or closed?

Closed

(3) Proposed average and maximum injection pressure.

Injection pressure

Average: Vacuum
Maximum: 1450 psi (est)

(4) Sources and appropriate analysis of injection fluid and compatibility w/receiving formation.

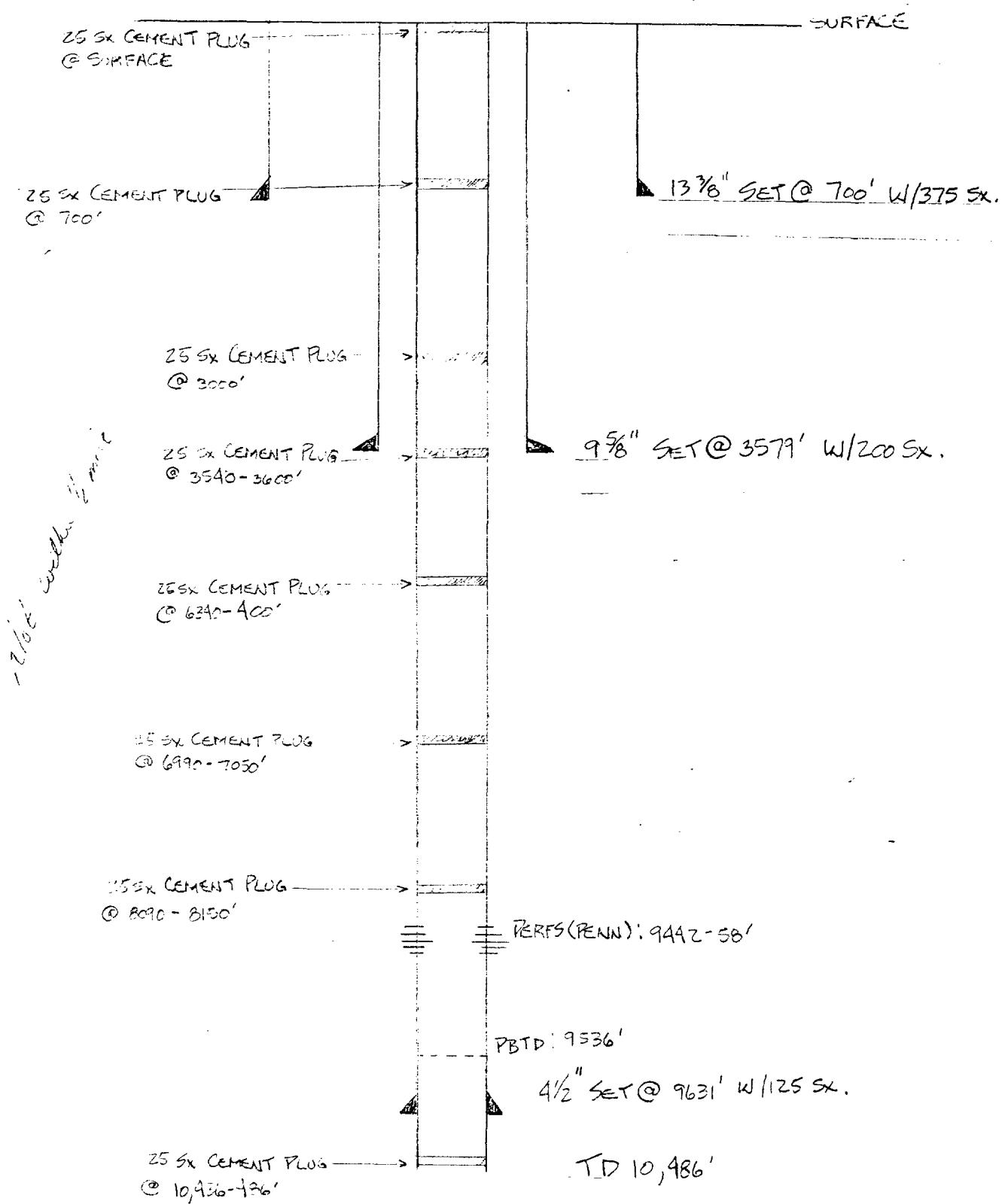
<u>Sources</u>	<u>Analysis of:</u>
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Yeso	Yeso-attached Cisco-attached
------	---------------------------------

(5) Chemical analysis of disposal zone formation water (measured or inferred from existing literature, studies, nearby-wells, etc). Cisco-attached.

OPERATOR: PAN AMERICAN PETR. CORP. LEASE: A.L. WERTHEIM WELL No.: 1

LOCATION: 1980' FSL AND 660' FEL SEC. 34 T19S R25E



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 375 sx.

TOC SURFACE feet determined by CIRCULATION

Hole size UNKNOWN

Intermediate Casing

Size 9 5/8" Cemented with 200 sx.

TOC UNKNOWN feet determined by —

Hole size UNKNOWN

Long string

Size 4 1/2" Cemented with 125 sx.

TOC UNKNOWN feet determined by —

Hole size UNKNOWN

Total depth 10,486'

Injection interval PERFORATED:

9442 feet to 9458 feet
(perforated or open-hole, indicate which)

EDDY COUNTY		NEW MEXICO	WILDCAT
Well:	PAN AMER. PET. CORP.	41 A. L. Wertham (OWWO)	Result: NEW
Loc'n:	34-195-25E; 1980' FSL 660' FEL Sec; 10 mi SW/Artesia in NW/part county; 3 mi NW/Lakewood Fld; (Orig #1 Lakewood Unit, OTD 10,486').		<u>GAS DISC</u>
<u>Spud:</u> 2-14-59; <u>Comp:</u> 6-5-59; <u>Elev:</u> 3543' RB; <u>ID:</u> 10,486'; <u>PB:</u> 9536' <u>Casing:</u> 9 5/8" 2946'; 4-1/2" 963T/125 ss <u>Prod Zone:</u> (Penn) T/Pay 9442'; Prod thru perf 9442-58' <u>IPF:</u> 357,000 CFGPD/16 hrs, 14/64" ch, CP 410#, TP 300# <u>Comp Info:</u> Perf 9442-9475', A/1000 gals; swbd 168 BLW & 44 BW/24 hrs; A/2000 gals; swbd 134 BLW/17 hrs, Frac w/30,000 gals brine & 16,000#/sd; swbd 30 BLW/2 hrs; swbd 6 F/209 BLW/14 hrs; Perf 9442- 46' & 9454-58', Frac w/40,000 gals & 40,000#/; C/Great Western <u>Drlg. Co.</u> <u>Tops:</u> Not available.			

Perf 9442-9475', A/2000 gals; swbd 134 BLW/17 hrs, Frac w/30,000 gals brine & 16,000#/sd; swbd 30 BLW/2 hrs; swbd 6 F/209 BLW/14 hrs; Perf 9442-46' & 9454-58', Frac w/40,000 gals & 40,000#/; C/Great Western

Geo Rundlett
OIL REPORTS

Date: 7-1-59

Card No. 10 NM pc

STANOLIND O&G CO. #1 Lakewood Unit

EDDY COUNTY

NEW MEXICO

WILLCAT

Well: STANOLIND O&G CO. #1 Lakewood Unit

Result: Dry

Locn: C/part county, 9 mi SW Dayton, Sec 34-19S-25E, 1980' TSL 660' FEL of Sea

Elev: 3542' DF

PRODUCTION:

T/San Andres 885'

DRY & ABANDONED

T/Glorietta 2450'

T/Drinkard 3260'

T/Abo 4190'

T/Wolfcamp 6620'

T/Pecos 8150'

T/Miss 9065'

T/Woodford Sh 10,310'

RECORD: SPUD 9-25-52

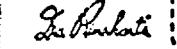
CONF 1-27-53

T/Devonian 10,340'

TD 10,486' Lime

13 3/8" 700'/375 sx, 9 5/8" 3578'/200 sx

DST 810-61', op 2 hrs, reo 105' SO&GCM, NS, FP 40-55%, SIP 0%; DST 2610-92', op 2 hrs, weak blc, reo 135' SO&GCM, BHFP 23-50%, SIP 0%; DST 2770-2850', op 105 min, reo 108' SGCM, NS, FP 25-45%; DST 3304-85' Drinkard, op 22 hrs, reo 84' drlg mud, NS, BHFP 5-55%, 15 min SIP 55%; DST 6605-6700', op 4 hrs 10 min, gas in 2 hrs 15 min, reo 270' drlg mud & 2615' SW, NS, FP 65-1495%, SIP 2605%; DST 7030-7123', op 4 hrs, reo 60' mud, NS, FP 0-130%, 20 min SIP 175%; DST 7834-73', failed DST 7838-73', failed, DST 7836-78', op 3 hrs, reo 40' mud, NS, DST 9397-9500', op hrs, gas vol 47,000 CFPD, reo 284' VSGC drlg mud, NS, FP 60-115%, SIP 2903%; DST 9407-9540', op 3 hrs, reo 135' HGLM, NS, FP 80%, SIP 1810%; DST 1,330 351', op 90 min, reo 20' mud, (Continued on #2-A)



OIL REPORTS

Date: 2-3-53

Card No: 2 NM

of 37,

EDDY COUNTY, NEW MEXICO, STANOLIND O&G CO. #1 Lakewood Unit

REMARKS CONTINUED: DST 10,350-373', op 83 min, rec 15' mud; DST 10,370-398',
op 3 hrs, rec 90' mud, BHFP 0%, 20 min SIP 275%; DST 10,395-423'
423', op 3 hrs, rec 225' mud; BHFP 60-120%, 20 min SIP 180%; DST 10,433-486',
op 4 hrs, rec 270' mud & 10,030' brackish water, BHFP 2880-4475%, 20 min SIP
4475%, ran elec log to total depth, SLIM 10,478+10,486'.

34, T19S, R25E

CHIEF DRILLER

OPERATOR: J.M. HUBER CORP.

LEASE: IRAMI FEDERAL CO., INC. WELL NO.: 1

LOCATION: 660' EEL AND 1980' FULL SEC. 3A

TIPS RISE

10 SX. CEMENT PLUG
@ SURFACE - 20'
(DRILLED OUT BY CHAMA)

SURFACE

13 3/8" SET @ 485' W/ 325 SX.

PERFS (YESO), 2400 - 2671'

40 SX. CEMENT PLUG →
@ 2950 - 3050'

9 5/8" SET @ 3000' W/ 850 SX.

35 SX. CEMENT PLUG →
@ 4567 - 4700'

LONG STRING NEVER SET
← (OPEN HOLE 3 7/8" HOLE TO TD.)

40 SX. CEMENT PLUG
@ 6048 - 6200'

NOTE: WELL WAS ORIGINALLY DFA

55 SX. CEMENT PLUG →
@ 7491 - 7700'

BY J.M. HUBER CORP. IN 1973.

40 SX. CEMENT PLUG →
@ 9148 - 9300'

CHAMA PETR. RE-ENTERED IN 1982

AND IS PRODUCING OUT OF YESO!

TD: 9600'

Tabular Data

Surface Casing

Size 13 $\frac{3}{8}$ " Cemented with 325 sx.

TOC SURFACE feet determined by CIRCULATION

Hole size 17 $\frac{1}{2}$ "

Intermediate Casing

Size 9 $\frac{5}{8}$ " Cemented with 850 sx.

TOC UNKNOWN feet determined by -

Hole size 12 $\frac{1}{4}$ "

Long string

Size NEVER SET " Cemented with - sx.

TOC - feet determined by -

Hole size 8 $\frac{3}{4}$ "

Total depth 9600

Injection interval PERFD. (SEE NOTE ON FRONT!)

2408 feet to 2671 feet
(perforated or open-hole, indicate which)

	EDDY COUNTY	NEW MEXICO	WILDCAT
Well:	CHAMA PETROLEUM CO, 1 Irami Federal	OWWO	Result: OIL WSD
Loc'n:	9 mi SW/Dayton; 660' FSL, 1980' FWL Sec 34-19S-25E; (Orig J.M. Huber Corp, 1 Irami Federal comp D & A 4-23-74, OTD 9600')		2929'
	<u>Spud: 4-13-82; Comp: 4-28-82; Elev: 3527'; Grd: TD: 9600'; Strn: PB:</u>		
	<u>Casing: 9-5/8" 3022'/600 sx; 2-7/8" 2399'</u>		
	<u>Prod Zone: (Yeso), T/Pay 2408', Prod thru Perfs 2408-2671'</u>		
	<u>IPP: 76 BOPD + 105 BLW, Grav NR, GOR 1618</u>		
	<u>Comp Info: Perf (Yeso) 2408-2671'; no treatment</u>		
	<u>Tops: NR</u>		
	<u>API No: 30-015-21115</u>		

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Date: 5-26-82

Card No.: 16 dh

EDDY COUNTY	NEW MEXICO	UNDESIGNATED FIELD
J.M. HUBER CORP., Trans Federal Com.		D L A D
Well: Sec 34-19S-25E; 660' FSL, 1980' FWL Sec		Result:

Spud 3-14-74; Comp 4-23-74; Elev 3527' Grd, 3545' K B; TD 9600'
Casing 13-3/8" 485#/325 sxs
Comp Info: DST 9300-9410', op 1 hr, rec 60' DM (sample rec 840 cc's DM & 1 CFC)
ISIP 608#/1 hr, FP 87-62#, FSIP 1839#/2 hrs, HP 4208-4808#
Tops Els: Wolfe 6552', Cisco 7702', Canyon 8237', Strawn 8512', Atoka 8895', Morrow
9244', Chester 9572'
API No: 30-015-21115

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Petroleum Information

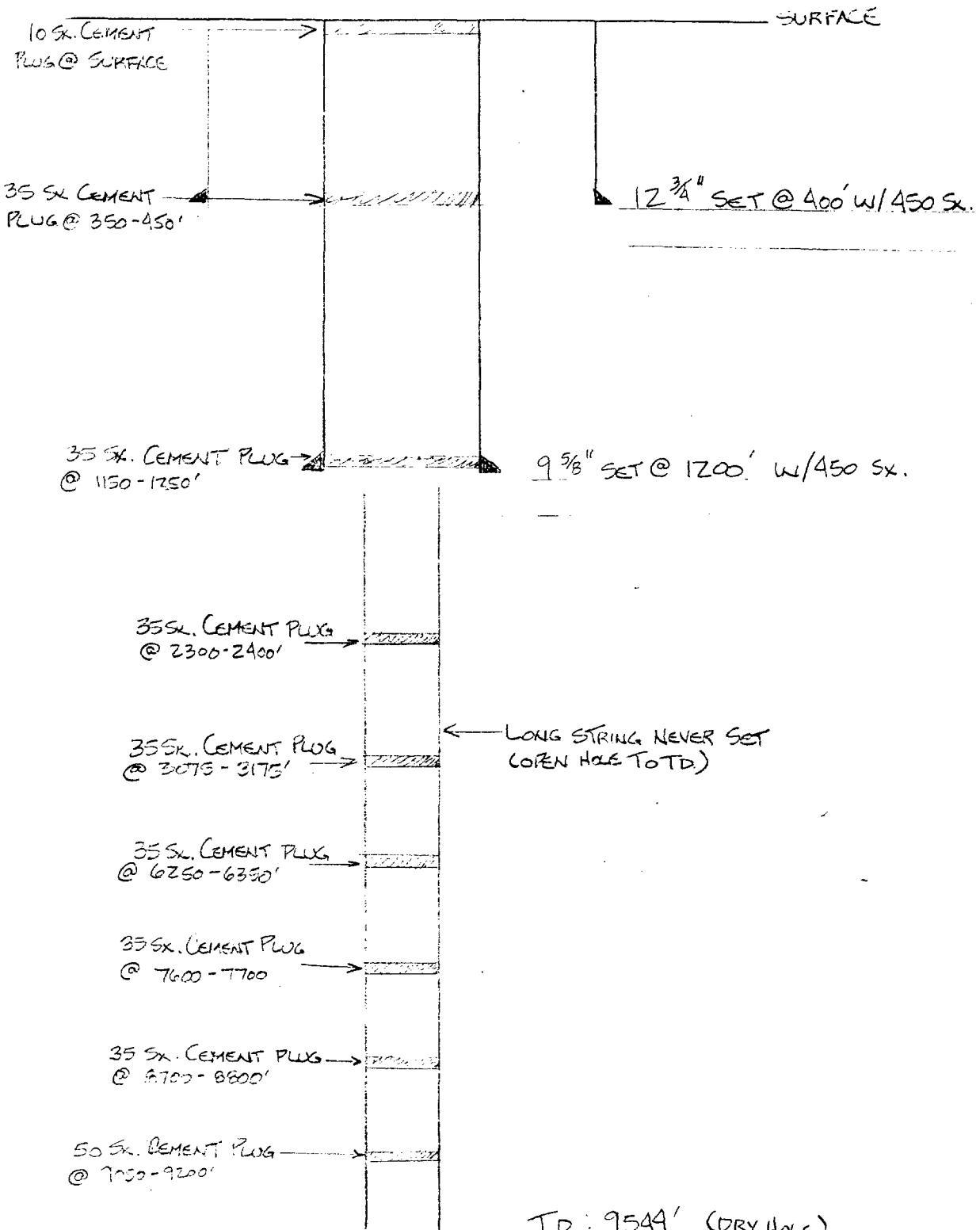
CORPORATION
A Division of A.C. Nielsen Company

Date: 5-8-74

Card No.: 7 dh

OPERATOR: CROWN OIL CORP. LEASE: ALTMAN STATE COM. WELL NO. 1

LOCATION: 660' FSL AND 1980' TUL SEC. 27 T19S R25E



Tabular Data

Surface Casing

Size 12 $\frac{3}{4}$ " Cemented with 450 sx.

TOC SURFACE feet determined by CIRCULATION

Hole size 17 $\frac{1}{2}$ "

Intermediate Casing

Size 9 $\frac{7}{8}$ " Cemented with 450 sx.

TOC UNKNOWN feet determined by —

Hole size 12"

Long string

Size NEVER SET Cemented with — sx.

TOC — feet determined by —

Hole size —

Total depth 954A'

Injection interval DRY HOLE PLUGGED AND ABANDONED

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

EDDY COUNTY **NEW MEXICO** **WILDCAT**
 Well: COQUINA OIL CORP, 1 Aikman Result: D & A WF
 Sec 27-19S-25E; 660' FSL, 1980' FWL Sec
 Locn:
Spud: 1-10-74; Comp: 3-26-74; Elev: 3466' Crd; TD: 9544'
Casing: 9-5/8" 4227450 ex
Comp Info: DST 9160-9310', op 2 hrs 5 mins, GTS 4 mins, est 195,000 CFCPD, 1" ch,
ISIP 331#/1 hr, FP 229-250#, FSIP 3861#/4 hrs; DST 9432-9450', op 1 hr, rec 70'
VSOCM, ISIP 125#/1 hr, FP 125-125#, FSIP 729#/2 hrs; SP-DST 7740-7815', op 1 hr
15 mins, CTS 6 mins, est 600,000 CFCPD, 1/2" ch, IP 95#, rec trace O & GCM,
ISIP 3082#/1 hr, FP 942-2652#, FSIP 3055#/2 hrs; C/Lakewood Drilg Co
Tops Els San And 755', Glor 2360', Tubb 3125', Abo 3740', Welsc 6310', Canyon
7095', Strawn 8225', Atoka 8515', Mortow 9102', Miss 9486'
API No: 30-015-21045

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Petroleum Information

CORPORATION

A Division of U.S. Oil Company

Date: 4-17-74

Card No.: 5 dh

ROSWELL GEOLOGICAL SOCIETY SYMPOSIUM

Author: Robert E. Murphy
 Affiliation: Consultant
 Date: August 1976

Field Name: North Dagger Draw
 Location: T-19-S, R-24, 25-E
 County & State: Eddy County, New Mexico

Discovery Well: R. C. Hanks #1 Eyre Federal, 660' FNL & 1980' FWL, Section 31, T-19-S, R-25-E.

Exploration Method Leading to Discovery:

Re-entry into Manzano #1 Hondo. Subsurface geologic studies.

Pay Zone:

Formation Name: Cisco Depth & Datum Discovery Well: 7565 (-3943)

Lithology Description:

Dolomite, white, tan to brown, medium to coarse crystalline with interstitial, fractured and vuggy porosity.

Approximate average pay: 38 gross 12 net Productive Area 960 acres

Type Trap: Stratigraphic, porosity in dolomite sealed by non-porous limestone. Gross and net porosity in pay zone is highly variable.

Reservoir Data:

Av. 7% Porosity Md Permeability, % Sw, % So
 Oil: 41.2 API Gravity @ 60° F. Black sour crude.

Gas:

Water: 3440 Na+K, 500 Ca, 300 Mg, 4000 Cl, 1900 SO₄, 1120 CO₂, or HCO₃, Nil Fe
 Specific Gravity 1.008 Resistivity 0.840 ohms @ 72 °F
 Initial Field Pressure: 3010 psi @ -3950 datum Reservoir Temp. 130 °F

Type of Drive:

Combination, water and solution gas.

Normal Completion Practices:

Set production string on bottom, perforate with four shots per foot, acidize, and put on pump.

Type completion: Pumping Normal Well Spacing 160 Acres

Deepest Horizon Penetrated & Depth:
 Barnett 9235'

Other Producing Formations in Field:

Shows of oil and gas have been reported in San Andres, Yeso, Wolfcamp, Strawn, Atoka and Morrow formations.

Production Data:

YEAR	TYPE	No. of wells @ yr. end	PRODUCTION OIL IN BARRELS GAS IN MMCF		YEAR	TYPE	No. of wells @ yr. end	PRODUCTION OIL IN BARRELS GAS IN MMCF	
			Prod.	S.I. or Abd.				Prod.	S.I. or Abd.
71	OIL	2	25,887		75	OIL	6	112,003	205,716
	GAS					GAS			
72	OIL	2	1,714			OIL			
	GAS					GAS			
73	OIL	4	15,149			OIL			
	GAS					GAS			
74	OIL	5	48,452			OIL			
	GAS					GAS			

HALLIBURTON DIVISION LABORATORY
 HALLIBURTON SERVICES
 MIDLAND DIVISION
 ARTESIA, NEW MEXICO 88210
LABORATORY WATER ANALYSIS

No. W198-84

To Mr. Jim Taylor
Coquina Oil Corporation
P. O. Box 2960
Midland, TX 79702

Date April 17, 1984

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

Submitted by DGEDate Rec. April 17, 1984Well No. Pan Canadian A #2 Depth 2591' to 2642' Formation YesoCounty Eddy Field Seven Rivers Yeso Source Flow TeeResistivity .08 @ 70°Specific Gravity 1.123 @ 60°pH 7.0Colcium (Ca) 5,500 *MPLMagnesium (Mg) 2,800Chlorides (Cl) 109,000Sulfates (SO₄) LightBicarbonates (HCO₃) 900Soluble Iron (Fe) NilKCL 0%

Remarks:

*Milligrams per liter

Warren Lane
 Respectfully submitted,

Analyst: Warren Lane - Field Engineer

HALLIBURTON COMPANY

cc:

NOTICE

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

VIII

Lithologic detail, Geological name, Thickness, and depth (of injection zone).

Lithologic Detail: Lime Carbonate

Geological Name: Cisco

Thickness: 427'

Depth: 7868'

Geologic name and depth to bottom of all underground sources of drinking water, overlying and immediately underlying the injection interval.

Overlying

Queen/Grayburg	0'-400'
Artesian/San Andres	400'-1300'
Capitan Reef	800'-2600'
Rustler	250'-350'

Underlying

None

IX Describe the proposed stimulation program, if any.

4000 gals 20% NeFe Acid (est)

XI Chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile.

Attached.

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

ARTEZIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS No. _____

To C. C. H. S.

Date _____

WESTERN LAKE INDIAN

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

Location of
WELL
1884 T19S, R25E 1830' FT. AND 660' FEL.

Submitted by _____

Date Rec. _____

Well No. 7a-8 WES Depth 899'

Formation _____

County EDDY COUNTY, N.M. Field _____

Source _____

Resistivity 2,4 @ 70°Specific Gravity 1.000@ 60°pH 6.0Calcium (Ca) 560 *MPLMagnesium (Mg) 135Chlorides (Cl) 1500Sulfates (SO₄) 1500Bicarbonates (HCO₃) 150Soluble Iron (Fe) NHRemarks: SAMPLE TAKEN
OCT. 2, 1985

*Milligrams per liter

W. H. H. S.

Respectfully submitted,

Analyst: _____

HALLIBURTON COMPANY

CC: _____

NOTICE

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

AFFIRMATIVE STATEMENT

I hereby affirm that I have examined available Geological and Engineering data and find no evidence of open faults or any other Hydrologic connection between the Cisco (disposal) zone and any underground source of drinking water.

Sincerely,

COQUINA OIL CORPORATION



D. Patrick Darden
Engineer

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered
 Show to whom, date, and address of delivery
2. RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:

BLW
P.O. Box 1778
Cactus Road, NM 88220

TYPE OF SERVICE:	ARTICLE NUMBER
<input type="checkbox"/> REGISTERED	<input type="checkbox"/> INSURED
<input checked="" type="checkbox"/> CERTIFIED	<input type="checkbox"/> COD
<input type="checkbox"/> EXPRESS MAIL	10710620

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Cathy Queen
Oct 11 1983

5. DATE OF DELIVERY

OCT 11 1983
POSTMARK
ALSBAD, N.M.
1000
7000
SPO

6. ADDRESSEE'S ADDRESS (Only if requested)
7. UNABLE TO DELIVER BECAUSE:

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered
 Show to whom, date, and address of delivery..
2. **RESTRICTED DELIVERY**
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$

3. ARTICLE ADDRESSED TO:

Chama Petr.
Box 31405
Dallas, TX 75231

ARTICLE NUMBER

P11

1A70619

(Always obtain signature of addressee or agent)

I have received the article described above.
 Addressee Authorized agent

4. TYPE OF SERVICE:
 REGISTERED INSURED
 CERTIFIED COD
 EXPRESS MAIL

B. J. Smith
5. DATE OF DELIVERY
POSTMARK

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE: _____
7a. EMPLOYEE'S INITIALS _____

● SENDER: Complete items 1, 2, 3, and 4.
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on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered
 Show to whom, date, and address of delivery
2. RESTRICTED DELIVERY
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:

Exxon USA
P.O. 1600
Biloxi, MS 39702

ARTICLE NUMBER

P1

REGISTERED INSURED
 CERTIFIED COD
 EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

[Signature]
DATE OF DELIVERY

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

AN
POSTMARK
15 OCT 10 1985
MS

7A. EMPLOYEE'S INITIALS

● SENDER: Complete items 1, 2, 3, and 4.
Add your address in the "RETURN TO" space
on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).

- Show to whom and date delivered \$
 Show to whom, date, and address of delivery \$
 RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$

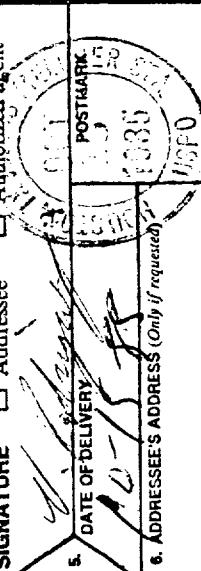
J. M. Huber
200 W. Loop South
Houston, Tx 77007

ARTICLE NUMBER 11
1970416
EXpress MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent



7. UNABLE TO DELIVER BECAUSE: EMPLOYEE'S INITIALS

SENDER: Complete items 1, 2, 3, and 4.
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on reverse.

CONSULT POSTMASTER FOR FEES

1. The following service is requested (check one).
- Show to whom and date delivered
 Show to whom, date, and address of delivery ..
 Show to whom, date, and address of delivery ..
2. **RESTRICTED DELIVERY**
(The restricted delivery fee is charged in addition to
the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
Newbourne Oil
P.O. Box 7698
Tyler, TX 75711

ARTICLE NUMBER
111
1985 OCT 15 1971
1985 OCT 15 1971

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

Maurice J. Schmid
5. DATE OF DELIVERY

6. ADDRESSEE'S ADDRESS (Only if requested)
7. UNABLE TO DELIVER BECAUSE: _____

7A. EMPLOYEE'S INITIALS: *MJS*

Affidavit of Publication

No.....11288.....

STATE OF NEW MEXICO,

County of Eddy:

.....Gary D. Scott..... being duly sworn, says: That he is the Business Manager.....of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached ..Legal Notice.....

.....was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for1..... consecutive weeks on the same day as follows:

First PublicationOctober 11, 1985.....

Second Publication

Third Publication

Fourth Publication.....

and that payment therefore in the amount of \$.....
has been made.

.....Subscribed and sworn to before me this24th..... day
ofOctober....., 1985.....

Barbara Ann Baas
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1987.....

Copy of Publication

LEGAL NOTICE

This is to let it be known that Coquina Oil Corporation is submitting an Application For A SWD Well in Eddy County, New Mexico. This well will be located 1980' FNL and 1980' FWL of Section 34, T19S, R25E. The intended purpose of this SWD well is to dispose of produced salt water into the Cisco formation at a depth of approximately 7850'. The estimated maximum injection rate is 550 BWPD while the estimated maximum injection pressure is 1450 psi. Interested parties must file objections or requests for hearings with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days. If there are any questions, please contact D. Patrick Darden, P.O. Drawer 2960, Midland, Texas 79702, (915) 682-6271 with Coquina Oil Corporation.

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Legal No. 11288.