

DATE: 7/27/12	SUSPENSE: 10/18/12	ENGINEER: WOS	LOGGED IN	TYPE: WFX	APP NO.: PWT5 122 1281839
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ABOVE THIS LINE FOR DIVISION USE ONLY

Lost
NOTICE
10/2/12

903

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



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]

LEASHPOWNER
Proved then
WITHDRAWN

- [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 _____
- [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.

Jana True _____ Regulatory Mgr. 8/1/12
 Print or Type Name Signature Title Date
 j.true@enhancedbilres.com
 Email Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No - ACO 277
- II. OPERATOR: EOR Operating Company
ADDRESS: 200 N. Loraine St, STE 1440 Midland, TX 79701
CONTACT PARTY: Jana True PHONE: 432-687-0303
- 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:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 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: Jana True TITLE: Regulatory Mgr.
SIGNATURE:  DATE: 07/19/12
E-MAIL ADDRESS: jtrue@enhancedoilres.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: 3/28/90

2012 JUL 30 10 55
RECEIVED

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.



July 20, 2012

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Notice of Intent,

EOR Operating Company at 200 N. Loraine, STE 1440 Midland, TX 79701 is submitting the C-108 form with the Oil Conservation Division to re-permit the U. D. Sawyer #001 as an injection well to increase the injection rate of produced lease water from the Crossroads Silluro Devonian Unit.

Location of Well:

U D Sawyer #001
Unit letter A, 660 FNL & 660 FEL
Section 34, Township 9S, Range 36E, Lea County, NM

Proposed average and maximum injection rate:

Average injection rate – 5000 bbls per day
Maximum injection rate – 8000 bbls per day

Proposed average and maximum injection pressure:

Average injection pressure – 1000 psi
Maximum injection pressure – 1500 psi

Injection facility if a closed loop system

Formation:

Devonian, Perforations at 12,126'-12,150'

Source water is from the Devonian formation. All water is to be injected into the Devonian formation for water pressure maintenance.

Devonian formation will be acidized with 5000 gal. of 15% HCL.

Tabulation of U D Sawyer #001:

Spud Date – 10/4/57

Surface Casing:

Hole size – 17 ½", Casing size – 13 5/8", 400 sxs cement, circulated to surface

Intermediate Casing:

Hole size – 12 ¼", Casing Size – 9 5/8", 3000 sxs cement, circulated to surface

Production Casing:

Hole Size – 7 7/8", Casing size – 5 ½", 700 sxs cement, TOC 9800, Temp. survey



PBTD 12,183'
TD 12,187'

Jana True

A handwritten signature in black ink that reads 'Jana True'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Regulatory/Production Manager
EOR Operating Company
200 N. Loraine, STE 1440
Midland, TX 79701
O: 432-687-0303
C: 432-352-4912
jtrue@enhancedoilres.com



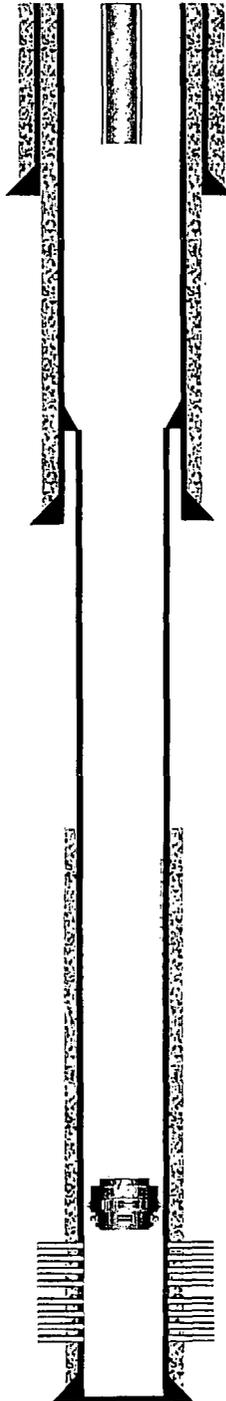
EXISTING WELLBORE DIAGRAM

Crossroads Siluro-Devonian Unit SWD well # 101.
 API #:30-025-0329
 UL:A, 660' FNL & 660' FEL.
 Sec 34, 9S-36E
 Spud date:10/04/57.
 Completed date:02/17/58.

8/12/69: Shot sqz perf @ 4160'. Sqz w/ 100 sxs.

12/12/07: MIT passed. Left 1 jt of 2 7/8" tbg & 1-4' sub.
 Spotted 14 bbl's of Maraseal.

Perforations:
 12,126'-12,150'



Elev: 4020' DF

13 5/8", 48# csg @ 344'.
 cmt w/ 400 sxs.

7 5/8", 26.40# csg.
 cmt to surface.

9 5/8", 36# csg @ 4190'.
 cmt w/ 3000 sxs.

*Tight spot @ 5764'.

Cmt top @ 9800' by T.S.

5 1/2" CIBP @ 12,050'.
 No cmt on top of CIBP.

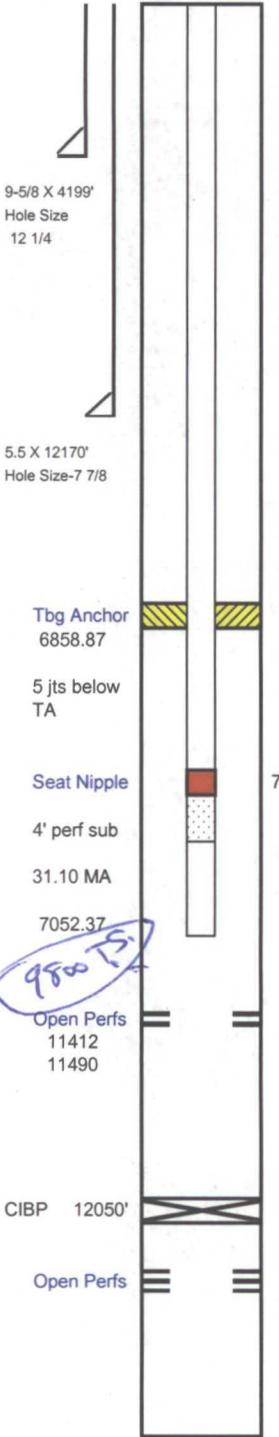
5 1/2", 20 & 23 # csg @ 12,187'.
 cmt w/700 sxs.
 hole size 7 7/8".

Well Name & Number:	Sawyer #101	Lease:	Crossroads Siluro-Devonian Unit		
County or Parish:	Lea	State/Prov.	NM	Country:	USA
Prepared By:	L.A. Spittler, Jr.	Last Revision Date:	3/3/2010		

Co. Rep _____
 Well Name CSDU Well No. 101
 Field Crossroads Devonian
 County Lea
 State NM
 Date 1/0/1900
 Date Comp _____
 KB 10.00

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	17.25/13.375	H-40	48	323	400	Surface
Inter Csg	12.25/9.625	J55-N80	36	4199	3000	Surface
Prod Csg	7.875/5.5	N-80	6/7	1050-1217	700	9800
Liner O.D.	0	0	0	0	0	0

OK

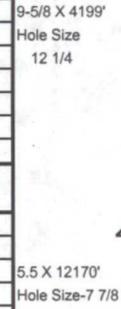


13-3/8 X 323'
 Hole size - 17 1/4
Current

13-3/8 X 323'
 Hole size - 17 1/4
Proposed

Failure Analysis

Lease	<u>Sawyer</u>	Well #	<u>101</u>	Field	<u>Crossroads</u>
Well Test Data	<u>BOPD</u>	<u>BWPD</u>	<u>MCF</u>		
Unit Name & Size					
Perforations	<u>12126-12150</u>				
TBG Data	<u>395 - 2 7/8 - J-55 - IPC @ 12050 ft.</u>	Pump Size			
Strokes Per. Min.	Stroke Length	Seat Nipple			
Tension	Rods String	Taper 1	Taper 2		
Pkr	<u>2 7/8 X 5.5 Loc-Set</u>	Taper 3	Taper 4		
Predictive Load	Actual Load				
LIST DATES, REASON FOR FAILURES & MEASURES TAKEN TP PREVENT SAID FAILURES & NON FAILURE PULLS.					
Spud-10/4/57					
Completion-2/17/58					
VII					
1. Proposed avg. daily inj. Rate - 5000 bbl.					
Proposed maximum daily inj. Rate - 8000 bbl.					
2. Injection facility is a closed loop system					
3. Proposed Maximum injection pressure - 1500 psi.					
4. Source water is from the Devonian formation- only Devonian water will be injected into #101					
5. All water is to be injected into the Devonian formation for water pressure maintenance					
IX. Devonian formation will be acidized w/5000 gal. of 15% HCL					
LIST ANY RECOMMENDATIONS TO PREVENT FUTURE FAILURES OR ANY COMMENTS ON WELL CONDITIONS THAT WILL CONTRIBUTE TO FAILURES.					



Perforations

11412-11421 / 11438-11444 / 11458-11464 / 11470-11490-Morrow
12126-12150-Devonian
0

PBTD @ 12183 ETD @ 0
 TD @ 12187

INJECTION WELL DATA SHEET

OPERATOR: EOR Operating CompanyWELL NAME & NUMBER: U. D. Sawyer #001WELL LOCATION: 660 FNL 660 FEL A 34 9S 36E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2" Casing Size: 13 5/8"Cemented with: 400 sx. *or* _____ ft³Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8"Cemented with: 3000 sx. *or* _____ ft³Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2"Cemented with: 700 sx. *or* _____ ft³Top of Cement: 9800' Method Determined: Temp. SurveyTotal Depth: 12187'Injection Interval12126 feet to 12150'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: IPC-Internal Plastic Coating

Type of Packer: Baker Loc-Set - 2 7/8 x 5 1/2 nickel coated

Packer Setting Depth: 12050

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

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

If no, for what purpose was the well originally drilled? Oil Production from Devonian Formation

2. Name of the Injection Formation: Devonian

3. Name of Field or Pool (if applicable): Crossroads Silurro Devonian

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

Perf'd @ 11470'-11490, Morrow formation - will squeeze w/ 50 sx cement

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Top of Mississippian - 11,520'

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.

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator: Sun Oil Company	8. Farm or Lease Name: U. D. Sawyer
3. Address of Operator: P. O. Box 1861 Midland, Texas 79701	9. Well No.: 10
4. Location of Well: UNIT LETTER P , 1000.5 FEET FROM THE East LINE AND 986.1 FEET FROM THE South LINE, SECTION 27 TOWNSHIP 9S RANGE 36E NMPM.	10. Field and Pool, or Wildcat: Crossroads Siluro Dev.
15. Elevation (Show whether DF, RT, GR, etc.): GR. 4023	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"/>	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.

P & A as follows:

1. Set #1 Plug w/65 sx. cmt. 11700' - 11600' ✓
2. Set #2 Plug w/75 sx. cmt. 9670' - 9570'
3. Set #3 Plug w/65 sx. cmt. 8950' - 8850'
4. Set #4 Plug w/75 sx. cmt. 7700' - 7600'
5. Set #5 Plug w/65 sx. cmt. 5500' - 5400'
6. Set #6 Plug w/70 sx. cmt. 4300' - 4200'
7. Set #7 Plug w/50 sx. cmt. 2400' - 2300'
8. Set #8 Plug w/10 sx. cmt. 30' - 0'
9. Install dry hole marker
10. Fill pits & clear location

Permission to plug given verbally be Joe Ramey

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

SIGNED James B. Bacon TITLE Administrative Clerk DATE 2-14-73

APPROVED BY Nathan E. Clegg TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAYO MARRS CASING PULLING INC.
PLUGGING REPORT

NEW MEXICO OCD
ATTN: CHRIS WILLIAMS

Lease: SANTA FE PACIFIC
WELL # 3
Project: P & A

OPERATOR: METEOR DEVELOPMENTS, INC.
DATE 10-12-98

10-03-98		25 SXS @ 12,000'	- NO TAG
10-05-98		25 SXS @ 12,000'	- 11,870' ✓
10-05-98		25 SXS @ 9030'	- 8930'
10-07-98	PERF NO SQZ.	25 SXS @ 6300'	- 6200'
10-07-98	PERF NO SQZ.	25 SXS @ 5650'	- 5550'
10-09-98	PERF @ 2280'	50 SXS @ 2280'	- 2208' TAGGED
10-10-98	PERF @ 370'	50 SXS @ 370'	- 250'
10-10-98		15 SXS @ 30'	- SURFACE

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

30-025-03634

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

COMPANY Texas Crude Oil Company, 1201 V & J Tower, Midland, Texas
(Address)

LEASE Terrace-Smyer WELL NO. 1-35 UNIT L S 35 T 9-S R 36-E
DATE WORK PERFORMED 6-29-61 POOL Crossroads

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

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

Well plugged in following manner:
25 sx cement plug 12,357-12,284'
20 sx cement plug 10,005-10,141'
20 sx cement plug 9,200- 9,141'
20 sx cement plug 5,100- 4,941'
20 sx cement plug 4,200- 4,142'
Pulled 1225' 8-5/8" casing.
10 sx cement plug top of surface.

159XS 370-350

Location will be leveled and pits filled as soon as weather permits.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

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

RESULTS OF WORKOVER:

BEFORE AFTER

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

Witnessed by _____

(Company)

OIL CONSERVATION COMMISSION

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

Name Leslie A. Chavira
Title _____

Name Joe E. Howard
Position Division Superintendent

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-03

DISTRICT I
P.O. Box 1940, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-22303
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Crossroads Devonian Siluro
8. Well No. 306
9. Pool name or Wildcat Crossroads Devonian
10. Elevation (Show whether DF, REB, RT, CR, etc.)

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. Type of Well:
OIL WELL GAS WELL OTHER SWD

2. Name of Operator
Saga Petroleum, LLC

3. Address of Operator
415 W. Wall, Suite 1900, Midland, TX 79701

4. Well Location
Unit Letter 0 : 990 Feet From The South Line and 1650 Feet From The East Line
Section 27 Township 9S Range 36E NMPM Lea County

11. 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"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. 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.

8/07/01 Set 8-5/8" pkr. @ 770', sqz w/ 800 sx "C" cmt. and pressure up to 1200 PSI, displaced TOC to 830', shut well in. WOC.
 8/08/01 Pressure test under pkr. to 1200 PSI and held. Tag TOC @ 810'.
 8/08/01 Fill 8-5/8" csg. to Surface from 810' w/ 215 sx "C" cmt.
 8/14/01 Cut off wellhead and weld on steel plate w/ dry hole marker.

Approved as to Plugging of the Well Bore.
Liability under bond is retained until
Surface restoration is completed.

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

SIGNATURE [Signature] TITLE Agent DATE 8/15/01

TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

GARY W. WINK
OC FIELD REPRESENTATIVE II/STAFF MANAGER

DEC 13 2002

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-20017

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name

U. D. SAWYER

1. Type of Well:
OIL WELL GAS WELL OTHER

8. Well No. 5

2. Name of Operator
ORYX ENERGY COMPANY

9. Pool name or Wildcat
Crossroads Penn

3. Address of Operator
P.O. BOX 1861, MIDLAND, TX 79702

4. Well Location
Unit Letter 0 : 330 Feet From The S Line and 2310 Feet From The E Line

Section 27 Township 9-S Range 36-E NMNM County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
4022.5 G.L.

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER:

PLUG AND ABANDON
CHANGE PLANS
REMEDIAL WORK
COMMENCE DRILLING OPS.
CASING TEST AND CEMENT JOB
OTHER:

12. 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.

- MOVE TO LOCATION. SET 5-1/2 CIBP @ 11,375' W/35' ON TOP (1/9/90)
- RAN 358 JTS. TBT. CIRCULATE W/10#/GAL MUD. POH. WORK PIPE CHECK STRETCH
- RUN TBG TO 7045'. MIX AND PUMP 25SX(100'). PULL TO 5577' MIX 25SX(100')(1/16/90)
- RUN TBG TO 4977'. MIX 25SX (100') POH. (1/17/90)
- CUT PIPE AT 4325'. POH.
- RUN TBG TO 4375'. MIX AND PUMP 65 SX (237'). (1/23/90)
- TAG PLUG @ 4141'. PUH TO 2200'. MIX AND PUMP 35SX (100') (1/24/90)
- PUT TOP PLUG 10 SX. INSTALL DRY HOLE MARKER, RIG DOWN, MOVE OFF LOCATION. (1/25/90)

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

SIGNATURE *Chris Prickett* TITLE VICE-PRESIDENT DATE 1/29/90

TYPE OR PRINT NAME CHRIS PRICKETT, KWA, INC TELEPHONE NO (915) 697-3265

(This space for State Use)

APPROVED BY *Jack Griffin* TITLE OIL & GAS INSPECTOR DATE MAY 3 1990

CONDITIONS OF APPROVAL, IF ANY:

E

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 1
30-025-03607

5. Indicate Type of Lease
STATE FEE

6. State Oil & Gas Lease No.

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

7. Lessee Name or Unit Agreement Name

U. D. SAWYER

8. Well No.
1

9. Pool name or Wildcat

Crossroads Siluro Geosima

1. Type of Well:

OIL WELL GAS WELL OTHER

2. Name of Operator

ORYX ENERGY COMPANY

3. Address of Operator

P.O. BOX 1861, MIDLAND, TX 79702

4. Well Location

Unit Letter 0 : 660 Feet From The SOUTH Line and 1980 Feet From The EAST Line

Section 27 Township 9 S Range 36 E NMPM LEA CO. County

10. Elevation (Show whether D.F., RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND ABANDONMENT

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER:

OTHER:

12. 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.

- MOVE TO LOCATION. SET 5-1/2" CIBP @ 11,375 W/35' ON TOP (12/12/89) ✓
- RAN 358 JTS 2-7/8, CIRCULATE HOLE W/ 10#/MUD. PULL TO 7000' MIX AND PUMP 100' (25 SXS) CEMENT. PULL TUBING (12/19/89)
- RUN TBG TO 4800'. MIX AND PUMP (25 SXS) POH (12/20/89)
- CUT AND PULL 3400' OF 5-1/2 CSG.
- RAN TBG TO 3823'. MIX AND PUMP 65 SXS. DID NOT TAG PLUG. (1/2/90)
- RAN TBG TO 3823'. MIX AND PUMP 65 SXS. TAG PLUG @ 3850'. (1/3/90)
- RAN TBG TO 3507'. MIX AND PUMP 65 SXS. TAG PLUG @ 3318'. (1/8/90)
- PULL TBG TO 2212'. MIX AND PUMP 45 SXS. PULL TO SURFACE. 10 SXS.
- INSTALL DRY HOLE MARKER, LEVEL PIT & CELLAR. (1/9/90)

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

SIGNATURE

TITLE VICE-PRESIDENT

DATE 1/10/90

TYPE OR FRONT NAME

CHRIS PRICKETT KWA, INC.

TELEPHONE NO. (915)697-3265

(This space for State Use)

APPROVED BY

TITLE

OIL & GAS INSPECTOR

DATE

MAY 3 1990

CONDITIONS OF APPROVAL, IF ANY:

8

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.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR APPLICATIONS TO ABANDON OR REENTER OR MOVE BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO PRODUCE (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- SALT WATER DISPOSAL WELL	7. Unit Agreement Name
2. Name of Operator Mobil Producing TX. & N.M. Inc.	6. Farm or Lease Name Santa Fe Pacific
3. Address of Operator Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	9. Well No.
4. Location of Well UNIT LETTER <u>E</u> <u>1650</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM <u>West</u> LINE, SECTION <u>35</u> TOWNSHIP <u>9S</u> RANGE <u>36E</u> N.M.P.M.	10. Field and Prod. District <u>9</u> <u>2633</u> <u>029</u> Crossroads Devonian
15. Elevation (Show whether DF, KT, GR, etc.) 4016 (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"/>	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 JOBS <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 1103.

TD 12525; Casing Record 10-3/4 @ 432, 7-5/8 @ 5000, 5-1/2L @ 4818-12190, Colapsed Casing @ 2317-2321, Bad Casing 2330-2340, Parted Casing 2340-2402.

- 05/23/83 MIRU Baber Well P&A Ut, unload & rack 98 jts 2-7/8, rented tbg.
- 05/24/83 NU BOP, WIH w/7-5/8, Howco cmt ret on 2-7/8 tbg, set ret @ 2290, displaced 7-5/8 csg w/100 bbls 10# BW, set into ret Baber Serv estb inj rate down tbg 3-1/2 BPM @ 300, into parted csg @ 2340-2402, cmt sqz parted csg w/200x Class C Neat, sqz press 1000 psi, pulled out of ret & cap ret w/40x Class C Neat, cal top cmt @ 2100, Job Compl @ 4 pm 5/24/83, POH w/ret stinger laying down 2-7/8 work tbg.
- 05/25/83 Baber Wire Line Serv perf 7-5/8 csg @ 482 - 4 holes, pmpd 15 BBW estb full circ @ 3 BPM, 100 psi, ND BOP inst 7-5/8 swage cmt down 7-5/8 csg thru perms @ 482 & out annulus w/150x Class C Neat, circ good cmt closed 10-3/8 csg valve & sqzd away 40x cmt, sqz press 300, displ cmt in 7-5/8 csg to 350, Job Comp @ 11 am 5/25/83.
- 05/26/83 Set surface plug 25-surface w/5x Class C cmt, P&A complete.

FINAL REPORT

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

SIGNER Paula A. Collins TITLE Authorized Agent DATE 06/07/83

APPROVED BY David Cantor TITLE OIL & GAS INSPECTOR DATE 06/15/83

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

NOV 23 1949
RECEIVED
OIL CONSERVATION COMMISSION

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

Indicate nature of notice by checking below:

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

Midland, Texas

November 21, 1949

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

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

(05-03628?)

~~Mid-Continent Petroleum Corporation~~ - H. D. Sawyer "B" Well No. One in C NE NW
Company or Operator Lease
of Sec. 34, T. 9S, R. 36E, N. M. P. M., Crossroads Field.
IEA County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Casing perforations 9695' to 9724' will be plugged with cement. Hole will be loaded with heavy mud laden fluid. As much 5 1/2" casing as possible will be recovered. 70 foot cement plug will be placed in top of 9 5/8" intermediate casing. 9 5/8" Bull Plug will be placed in top of 9 5/8" casing. Cellar will be filled and regulation marker placed over well bore.

Place cement plug in top of 5 1/2" casing that is not pulled.

OK

Approved _____, 1949
except as follows:

Mid-Continent Petroleum Corporation
Company or Operator

By E. J. Piene

Position Petroleum Engineer

Send communications regarding well to

Name Harold Smith

Address Box 830 Midland, Texas

OIL CONSERVATION COMMISSION,
By Ray [Signature]
Title _____

OIL CONSERVATION DISTRICT
P. O. BOX 2068
SANTA FE, NEW MEXICO 87501

Form O-103
Revised 10-1-83

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

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REPERM OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT TO DRILL" (FORM C-121) FOR SUCH PROPOSALS.

GAS WELL OTHER Water Disposal

Operator
Texaco Inc.

Address
P.O. Box 728, Hobbs, NM 88240

10. Field and Pool, or Wildcat
Crossroads Devonian

2310 FEET FROM THE South LINE AND 990 FEET FROM East LINE, SECTION 34 TOWNSHIP 9S RANGE 36E

15. Elevation (Show whether DF, RT, GR, etc.)
4030' DF

7. Unit Agreement Name

8. Firm or Lease Name
U.D. Sawyer

9. Well No.
3

12. County
Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REMEDIAL WORK
PLUG AND ABANDON
CHANGE PLANS
OTHER

REMEDIAL WORK
COMMENCE DRILLING OPER.
CASING TEST AND CEMENT JOB
ALTERING CASING
PLUG AND ABANDONMENT
OTHER

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

- Rigged up. Installed BOP.
- Attempted to fish parted 3 1/2" tbg & 5 1/2" csg with 24 hour a day drilling rig. Efforts were unsuccessful & verbal permission to P&A was received from the Hobbs NMOC District Office.
- Ran 8 5/8" pkr. Spotted w/ 265 sx class "H" cmt 1750-805'. Circ. out 12 sx. cmt.
- Ran DP to 805' and spotted 265 sx. class "H" cmt. plug 805' to surf. Circ. out 15 sx. cmt. plug and abandoned.

(025-03628) OK

Dist. Oper. Mar. September 12, 1985

Jack Griffin

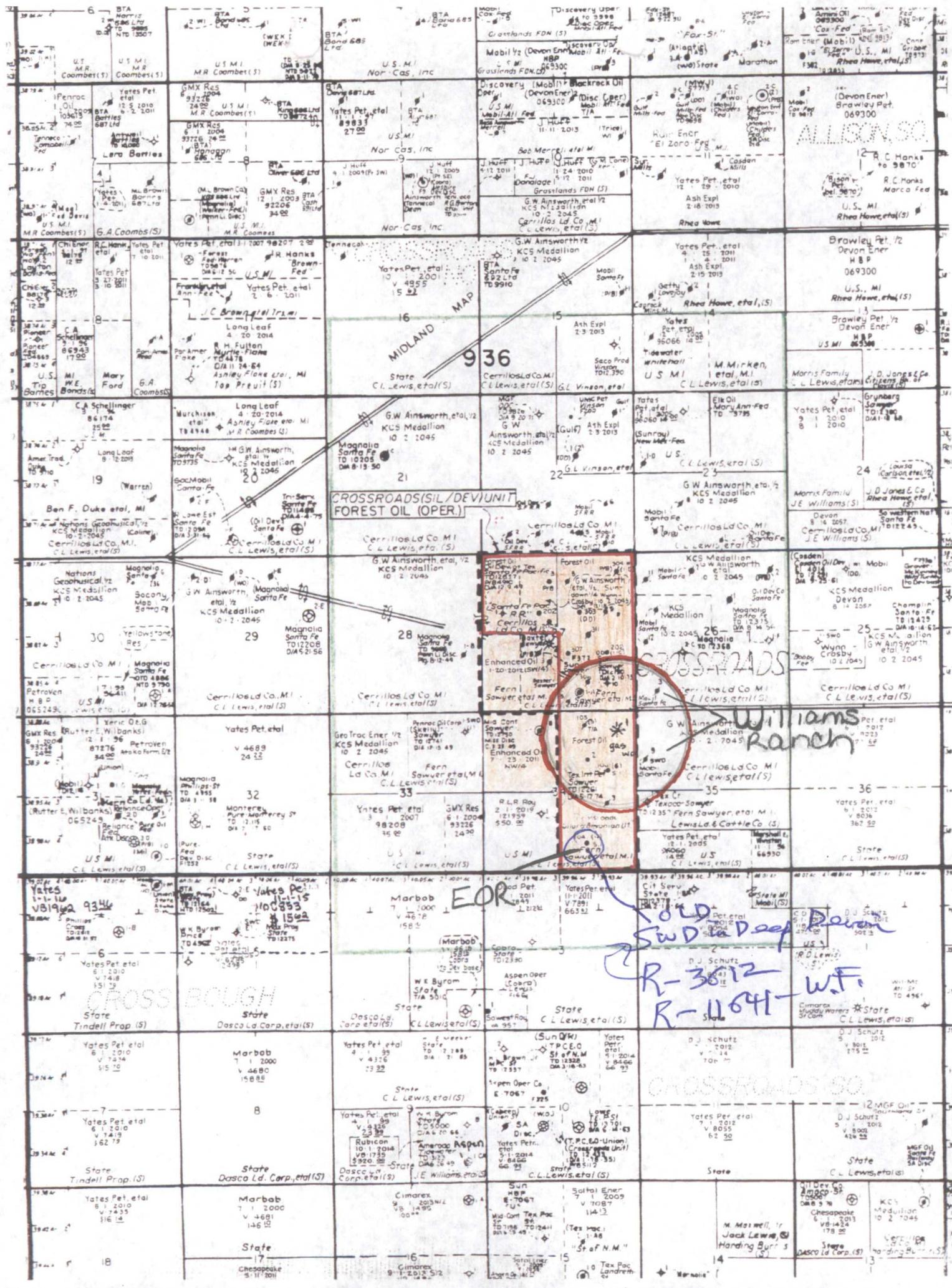
OIL & GAS INSPECTOR

JUL 18 1986

WELL	API	LOCATION	SURF. CASING	INTER. CASING	PROD. CASING	TD	COMPLETIONS	P&A
Pre-Ongard Well #1 Spud 8/25/47	30-025-03607	Sec. 27-T9S-R36E Unit O 660' FSL & 1980' FWL	13 3/8" @ 214' Cmt. w/300 sxs. TOC @ surf by circ.	9 5/8" @ 3706' Cmt. w/2800 sxs. TOC @ surf by circ.	5 1/2" @ 12255' Cmt. w/700 sxs. TOC @ 8450 by TS.	12258	12115-215 sqz. 12100-182, 11412-422.	P&A'd Schematic Attached
Crossroads Siluro Devonian Unit #306 Spud 11/7/67	30-025-22303	Sec. 27-T9S-R36E Unit O 990' FSL & 1650' FEL	13 3/8" @ 240' Cmt. w/250 sxs. TOC @ surf by circ.	8 5/8" @ 4194' Cmt. w/1000 sxs. TOC @ surf by circ.	5 1/2" @ 12164' Cmt. w/325 sxs. TOC @ surf by circ.	12166	12068-135	P&A'd Schematic Attached
Pre-Ongard Well #10 Spud 11/8/72	30-025-24285	Sec. 27-T9S-R36E Unit P 986" FSL & 1000' FEL	13 3/8" @ 260' Cmt. w/365 sxs. TOC @ surf	9 5/8" @ 4250' Cmt. w/1540 sxs. TOC @ surf	8 3/4" @ TD Cmt. w/250 sxs. TOC @ surf	12190	11700-11600 w/65 sxs. 9670-9570 w/75 sxs. 8950-8850 w/65 sxs. 7700-7600 w/75 sxs. 5500-5400 w/65 sxs. 4300- 4200 w/70 sxs. 2400-2300 w/50 sxs. 30-surface w/10 sxs.	P&A'd Schematic Attached
UD Sawyer #3 Spud 10/9/59	30-025-03628	Sec. 34-09S-36E Unit I 2310' FSL & 990' FEL	13 3/8" @ 361' Cmt. w/400 sxs. TOC @ surf	8 5/8" @ 4159' Cmt. w/2200 sxs. TOC @ surf	5 1/2" @ 12152' Cmt. w/350 sxs. TOC @ surf	12195	1750-805' sqz w/12 sxs 805'-surf w/15 sxs.	P&A'd Schematic Attached
Crossroads Siluro Devonian #102 Spud 12/4/58	30-025-03630	Sec. 34-09S-36E Unit G 1650' FNL & 1650' FEL	13 3/8" @ 338' Cmt. w/400 sxs. TOC @ surf	9 5/8" @ 4160' Cmt. w/2175 sxs. TOC @ surf	5 1/2" @ 12182' Cmt. w/500 sxs. TOC @ surf	12182		
Crossroads Siluro Devonian #105 Spud 4/5/70	30-025-23472	Sec. 34-09S-36E Unit B 475' FNL & 1726' FEL	11 3/4" @ 369' Cmt. w/350 sxs. TOC @ surf	8 5/8" @ 5000' Cmt. w/1120 sxs. TOC @ surf	5 1/2" liner @ 12145' Cmt. w/850 sxs.	12177		
Crossroads Siluro Devonian #106 Spud 6/11/72	30-025-24143	Sec. 34-09S-36E Unit H 1980' FNL & 990' FEL	11 3/4" @ 350' Cmt. w/250 sxs. TOC @ surf	8 5/8" @ 5000' Cmt. w/1220 sxs. TOC @ surf	5 1/2" @ 4837-12175 Cmt. ✓ w/6000 sxs. TOC @ surface	12175		
Pre-Ongard Well #001 Spud 1/1/1900	30-025-03628	Sec. 34-09S-6E Unit C 660' FNL & 1980' FWL	13 3/8" @ 230' Cmt. w/300 sxs. TOC @ surf	9 5/8" @ 4628' Cmt. w/3850 sxs. TOC @ surf	5 1/2" @ 12514' Cmt. w/1000	12750	9695-9724	P&A'd Schematic Attached
Santa Fe Pacific #3 Spud 12/31/99	30-025-03603	Sec. 26-09S-36E Unit M 660' FSL & 660' FWL	13 3/8" @ 325' Cmt. w/325 sxs. TOC @ surf	9 5/8" @ 6200' Cmt. w/2550 sxs. TOC @ surf	17" @ 12500' Cmt. w/1300 sxs. TOC @ surf	12263	1200-11870 sqz w/25 sxs. 9030-8930 sqz w/25 sxs. 6300- 6200 sqz w/25 sxs. 5650-5550 sqz w/25 sxs. 2280-2208 sqz w/50 sxs. 370-250 sqz w/50 sxs. 30-surface sqz w/15 sxs.	P&A'd Schematic Attached
Santa Fe Pacific #9 Spud 6/19/58	03-025-03633	Sec. 35-09S-36E Unit E 1650' FNL & 330' FWL	10 3/4" @ 432' Cmt. w/400 sxs.	7 5/8" @ 4985' Cmt. w/2500 sxs.	5 1/2" @ 4340' Cmt. w/525 sxs.	12200	2340-2402 sqz w/200 sxs. 482 sqz w/150 sxs.	P&A'd Schematic Attached
Texaco - Sawyer #1 Spud 4/20/61	03-025-03634	Sec. 35-09S-36E Unit L 2310' FSL & 330' FWL	13 3/8" @ 352' Cmt. w/340 Sxs. TOC @ surf	8 5/8" @ 4199 Cmt. w/300 sxs. TOC @ surf	N/A	1235 4200	12357-12284 sqz w/25 sxs. 10005-10441 sqz w/20 sxs. 9200-9141 sqz w/20 sxs. 5100-4941 sqz w/20 sxs. Plug to Top of surf w/10 sxs.	P&A'd Schematic Attached

at edge of AOR OK

07/11/01



MIDLAND MAP
936

CROSSROADS (SIL/DEV) UNIT
FOREST OIL (OPER.)

CROSSROADS

Williams
Ranch

CROSS BROUGH

EOR

OLD SWD of Dev
R-3812
R-11641-WF

CROSSROADS

ALLISON

WATER ANALYSIS

SAMPLE ID

ANALYSIS RESULTS

Lab # 9732
Customer Champion Technologies
Sample ID Enhanced Oil Resources
Sawyer Fresh Water Well
Sample Date 10/28/2008
Sample point N/A
Sample Temp. °F: 75
Sampled by Champion Technologies
Analysis Date 11/6/2008
Analysis by Neil Ray

pH 7.28
Specific Gravity @: 75° F 1.0000
Resistivity (ohm-m) 22,000
Filterable solids (mg/l) 168.0
Carbon dioxide (CO₂) (mg/l) NA
Sulfide (as H₂S) (mg/l) NA
Total hardness (as CaCO₃) (mg/l) 211.4

REMARKS
Clear With Suspended Solids

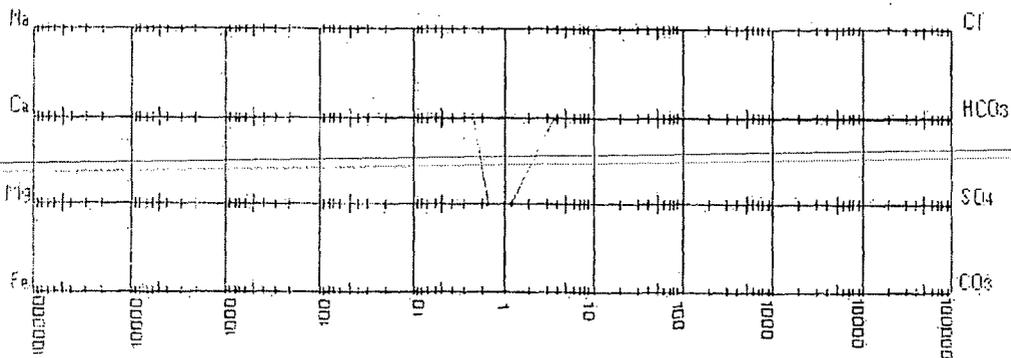
DISSOLVED SOLIDS

Cations	meq/l	mg/l	ppm
Sodium (Na)	0.9	21	21
Calcium (Ca)	2.5	50	50
Magnesium (Mg)	1.7	21	21
Iron (Fe), total	0.5	14	14
Potassium (K)	0.1	4	4
Barium (Ba)	NA	NA	NA

DISTRIBUTION
Champion Technologies
E-MAIL: marshall.bales@champ-tech.com

Anions	meq/l	mg/l	ppm
Chloride (Cl)	0.6	21	21
Sulfate (SO ₄)	1.2	58	58
Carbonate (CO ₃)	0.0	0	0
Bicarbonate (HCO ₃)	3.9	238	238
Hydroxide (OH)	0.0	0	0
Total dissolved solids (Calculated)	11.4	427	427

Water Patterns (meq/l) Logarithmic



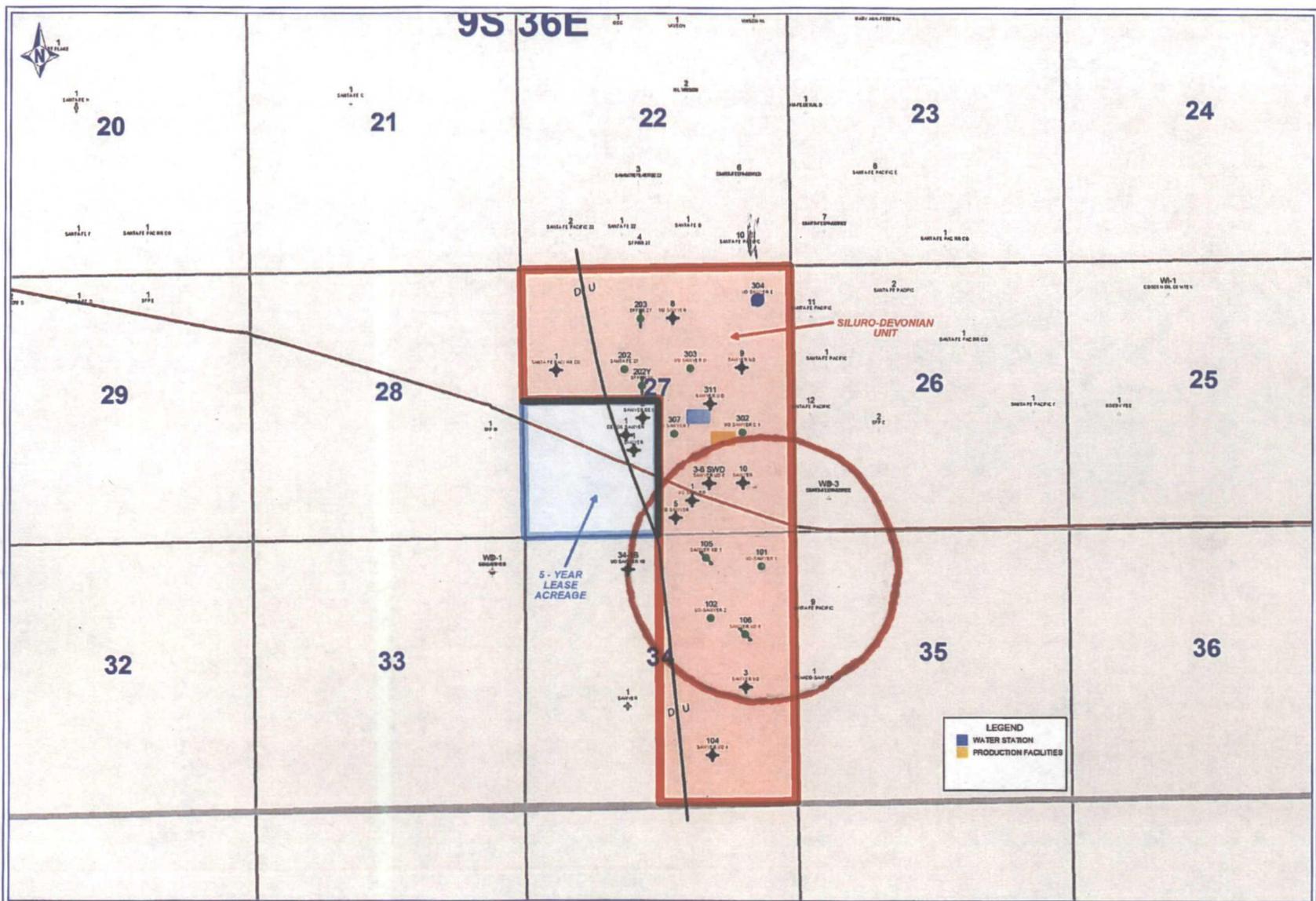
GPS COORDINATES
LONGITUDE: N 33 51060
LATITUDE: W 103 25176

CROSSROADS #101 INJ. APPLICATION

SURFACE OWNER ALL OF SECTIONS 26 & 35 - T9S-R36E, LEA CO., NM - 1280.00 GR. ACRES
Joe Edd Williams and wife Mary Williams, Richard D. Williams and David R. Williams, d/b/a WILLIAMS RANCH (100%) P.O. Box 1172 Seagraves, TX 77056
MINERAL OWNERS ALL SECTION 26 & N2 SECTION 35 - T9S-R36E, LEA CO., NM - 960.00 GR. ACRES
Devon Energy Production Company, L.P. - Santa Fe Gold (100%)
N2S2 SECTION 35 - T9S - R36E, LEA CO., NM - 160.00 GR. ACRES
Candace Good Jacobson Revocable Trust (37.5%) Thomas Jefferson Good, III (37.5%) T J & M Good Minerals, LLC (Formerly Myrl Sawyer Good Revocable Trust) (12.5%) Beja Embry Foky (12.5%)
S2S2 SECTION 35 - T9S - R36E, LEA CO., NM - 160.00 GR. ACRES
U.S.A. Bureau of Land Management (100%) (Unleased)

Prepared By: Tony Krakauskas, CPL - Land Manager for EOR Operating Co.
Dated: August 2, 2012

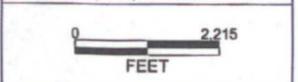




NEW MEXICO WELL STATUS
 CROSSROADS DEVONIAN UNIT
 UPDATES AS OF NOVEMBER 16, 2010

- WELL SYMBOLS
- Dry Hole
 - ⊕ Injection Well
 - △ Service Well
 - ⊕ Plugged and Abandoned
 - ⊕ Temporarily Abandoned
 - Dry Hole, With Show of Oil
 - Suspended Producing
 - ⊕ Active Injection WIW
 - Shut In Producing
 - Active Producing

NEW MEXICO REMARKS
 By: P. Hayes / A. Chatter



November 16, 2010

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Williams Ranch
40 Joe Ed Williams
P.O. Box 1172
Seagraves, TX 79359

2. Article Number:
(Transfer from service label) 7011 0470 0001 5373 8942

PS Form 3811, February 2004

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *Cindy Durham* Agent Addressee

B. Received by (Printed Name): *Cindy Durham*

C. Date of Delivery: _____

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below: _____

3. Service Type:
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes No

7011 0470 0001 5373 8942

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

MIDLAND DOWNTOWN
MIDLAND, Texas
797019998
4879830702-0095
07/20/2012 (915)682-3381 01:29:57 PM

Sales Receipt

Product Description	Sale Unit Qty	Price	Final Price
SEAGRAVES TX 79359			\$1.70
Zone-2 First-Class Large Env	4.20 oz.		
Expected Delivery: Mon 07/23/12			
Return Rcpt (Green Card)			\$2.35
Certified			\$2.95
Label #:	70110470000153738942		
Issue PVI:			\$7.00

Total: \$7.00

Paid by: Cash \$10.00
Change Due: -\$3.00

Order stamps at usps.com/shop or call 1-800-Stamp24. Go to usps.com/clicknship to print shipping labels with postage. For other information call 1-800-ASK-USPS.

Get your mail when and where you want it with a secure Post Office Box. Sign up for a box online at usps.com/poboxes.

Bill#:1000501601883
Clerk:03

All sales final on stamps and postage
Refunds for guaranteed services only
Thank you for your business

HELP US SERVE YOU BETTER

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TELL US ABOUT YOUR RECENT
POSTAL EXPERIENCE

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

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

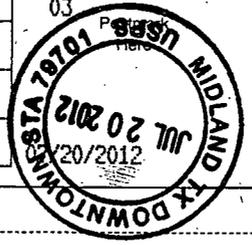
SEAGRAVES TX 79359

Postage	\$ 1.70	0702
Certified Fee	\$ 2.95	03
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 7.00	

Sent To _____
Street, Apt. No., or PO Box No. _____
City, State, ZIP+4 _____

PS Form 3800, August 2006 See Reverse for Instructions

7011 0470 0001 5373 8942



Advertising Receipt

Hobbs Daily News-Sun

201 N Thorp
P. O. Box 936
Hobbs, NM 88241

Phone: 575-393-2123
Fax: 575-397-0610

EOR OPERATING COMPANY
KELLY COX
200 NORTH LORAIN, STE 1440
MIDLAND, TX 79701

Cust #: 67109327
Ad #: 00097171
Phone: (432)687-0303
Date: 07/19/2012
Ad taker: 08 Salesperson:

Sort Line: 27483

Classification 672

Description	Start	Stop	Ins.	Cost/Day	Total
07 07 Daily News-Sun	07/24/2012	07/24/2012	1	29.35	29.35
AFF2 Affidavits (Legals)					6.00
BOLD bold					1.00

SUN PUBLISHING CORP
201 THORP
HOBBS, NM 88240

BATCH: 371
S-A-L-E-S O-R-A-F-T
75998976
347482866554

REF: 8884
CD TYPE: VISA
TR TYPE: MAIL/PHONE
INV:
DATE: JUL 20, 12 18:06:38

AUS: NO MATCH
TOTAL \$38.83*

ACCT: *****7882 EXP: **/**
AP: 168364
TRAN: 882282379985551

CARDMEMBER ACKNOWLEDGES RECEIPT OF GOODS AND/OR SERVICES IN THE AMOUNT OF THE TOTAL SHOWN HEREON AND AGREES TO PERFORM THE OBLIGATIONS SET FORTH BY THE CARDMEMBER'S AGREEMENT WITH THE ISSUER

THANKS FOR USING VISA



Ad Text:

Legal Notice
July 24, 2012

NOTICE is hereby given that on July 24, 2012, EOR Operating Company, Attn: Jana True, 200 N. Loraine, STE 1440, Midland, TX 79701 at 432-687-0303, filed an application for authorization to inject for well U D Sawyer #001 located 660 feet from the north line and 660 feet from the east line of Section 34, Township 9S, Range 36E to further injection rates of produced lease water from the Crossroads Silluro Devonian Unit. Proposed maximum injection rate is 8000 barrels per day with a maximum injection pressure of 1500 psi. U D Sawyer #001 will be on a closed loop system. Only water produced from

Payment Reference:

Total:	36.35
Tax:	2.48
Net:	38.83
Prepaid:	0.00
Total Due:	38.83

MERCHANT COPY

**Legal Notice
July 24, 2012**

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Any interested party 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.
#27483

Affidavit of Publication

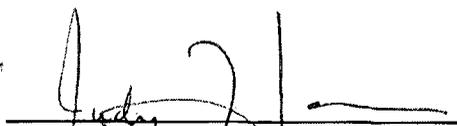
State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER

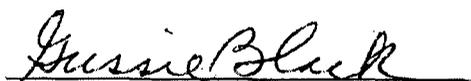
of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

Beginning with the issue dated
July 24, 2012
and ending with the issue dated
July 24, 2012


PUBLISHER

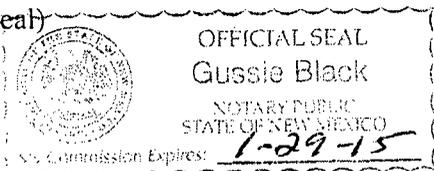
Sworn and subscribed to before me
this 24th day of
July, 2012



Notary Public

My commission expires
January 29, 2015

(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 July 24, 2012	
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Any interested party 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. #27483	

67109327

00097171

KELLY COX
EOR OPERATING COMPANY
200 NORTH LORAIN, STE 1440
MIDLAND, TX 79701

CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

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

OFFICIAL USE
DIVIDE CO 80814

Postage	\$ 1.10	
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.40	

Sent To: Beja Embry Foky
 Street, Apt. No., or PO Box No.: PO Box 331
 City, State, ZIP+4: Divide, CO 80814

PS Form 3800, August 2008 See Reverse for Instructions

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

OFFICIAL USE
ROSWELL NM 88202

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Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.40	

Sent To: T. J. & M. Good Minerals, LLC
 Street, Apt. No., or PO Box No.: PO Box 1090
 City, State, ZIP+4: Roswell, NM 88202

PS Form 3800, August 2008 See Reverse for Instructions

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

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

OFFICIAL USE
ROSWELL NM 88202

Postage	\$ 1.10	
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.40	

Sent To: Candace Good Jacobson Revoc. Trust
 Street, Apt. No., or PO Box No.: PO Box 1090
 City, State, ZIP+4: Roswell, NM 88202

PS Form 3800, August 2008 See Reverse for Instructions

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

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

OFFICIAL USE
MOGAL NM 88341

Postage	\$ 1.10	
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.40	

Sent To: Thomas S. Good, III
 Street, Apt. No., or PO Box No.: PO Box 130
 City, State, ZIP+4: Mogal, NM 88341

PS Form 3800, August 2008 See Reverse for Instructions

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

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

OFFICIAL USE
OKLAHOMA CITY OK 73102

Postage	\$ 1.10	
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 2.35	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 6.40	

Sent To: Devon Energy Prod. Co. LP
 Street, Apt. No., or PO Box No.: 333 W. Sheridan Ave
 City, State, ZIP+4: Oklahoma City, OK 73102

PS Form 3800, August 2008 See Reverse for Instructions

Jones, William V., EMNRD

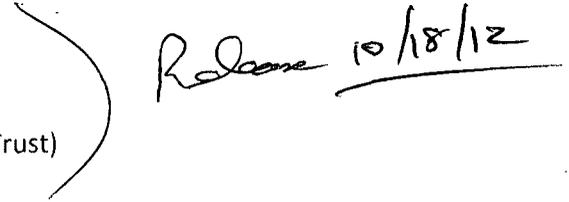
From: Jones, William V., EMNRD
Sent: Friday, September 07, 2012 10:10 AM
To: 'Jana True'
Cc: Ernest Padilla (padillalaw@qwestoffice.net); Kautz, Paul, EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Jana,
Based on your replies to my earlier questions:

Our file has a shallower log and you said EOR does not have a log over the Devonian....
We would need some sort of log over the Devonian disposal interval, maybe a cased hole GR-N, but please work with Paul Kautz on that as part of the well work.

Based on Tony's response....in addition to your notice to the surface owner (Williams Ranch in Seagraves, TX) please send formal notice to:

- a. Devon at its new location in Oklahoma City
- b. Candace Good Jacobson Revocable Trust
- c. Thomas Jefferson Good, III
- d. TJ & M Good Minerals, LLC (Formerly Myrl Sawyer Good Revocable Trust)
- e. Beja Embry Foky

A handwritten signature, likely "R. Jones", is written in black ink. To the right of the signature, the date "10/18/12" is written and underlined. A large, thin, curved line is drawn to the left of the signature, resembling a stylized "C" or a bracket.

If you have retained an attorney, let me know who that is, and please forward this email to that attorney.

Thank You,

Will Jones

Jones, William V., EMNRD

From: Jana True <jtrue@enhancedoilres.com>
Sent: Thursday, October 04, 2012 2:30 PM
To: Jones, William V., EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet
Attachments: Mineral Owner Notifications - EOR Operating .pdf

I received your message yesterday.
Thank you for your response.

Attached are the certified mail receipts for the notices sent to the mineral owners listed below. I have fed-exed the logs to Paul Kautz' attention earlier this week.

You had requested some information previously that I have emailed to you. Is there any further information needed that might hold this application process up?
After the 15 day waiting period how long will the process be for approval/denial?

Thanks for all your help,

Jana True

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Friday, September 07, 2012 11:09 AM
To: Jana True
Cc: Ernest Padilla (padillalaw@qwestoffice.net); Kautz, Paul, EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Jana,
Based on your replies to my earlier questions:

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- c. Thomas Jefferson Good, III
- d. TJ & M Good Minerals, LLC (Formerly Myrl Sawyer Good Revocable Trust)
- e. Beja Embry Foky

If you have retained an attorney, let me know who that is, and please forward this email to that attorney.

Thank You,

Will Jones

Jones, William V., EMNRD

From: Jana True <jtrue@enhancedoilres.com>
Sent: Monday, September 10, 2012 3:34 PM
To: Jones, William V., EMNRD
Cc: Kautz, Paul, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

I have located a log for the Devonian interval for this well and have mailed a copy to Paul Kautz' attention.

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Friday, September 07, 2012 11:09 AM
To: Jana True
Cc: Ernest Padilla (padillalaw@qwestoffice.net); Kautz, Paul, EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Jana,
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- d. TJ & M Good Minerals, LLC (Formerly Myrl Sawyer Good Revocable Trust)
- e. Beja Embry Foky

If you have retained an attorney, let me know who that is, and please forward this email to that attorney.

Thank You,

Will Jones

Jones, William V., EMNRD

From: Padilla Law Firm, P.A. <padillalaw@qwestoffice.net>
Sent: Friday, September 07, 2012 10:19 AM
To: Jones, William V., EMNRD
Cc: Gary Larson; Davidson, Florene, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Mr. Jones:

As I indicated during our short conversation on Wednesday of this week, Williams Ranches has asked me to withdraw its objection to the referenced proposed injection well. Accordingly, by this email we hereby withdraw the objection which we filed on August 7, 2012, on behalf of Williams Ranches.

Ernest L. Padilla
PADILLA LAW FIRM, P.A.
P.O. Box 2523
Santa Fe, New Mexico 87504-2523
T: 505-988-7577
F: 505-988-7592
E: epadillapl@qwestoffice.net; (office) padillalaw@qwestoffice.net

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From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Friday, September 07, 2012 10:09 AM
To: Jana True
Cc: Ernest Padilla (padillalaw@qwestoffice.net); Kautz, Paul, EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

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- b. Candace Good Jacobson Revocable Trust
- c. Thomas Jefferson Good, III
- d. TJ & M Good Minerals, LLC (Formerly Myrl Sawyer Good Revocable Trust)

e. Beja Embry Foky

If you have retained an attorney, let me know who that is, and please forward this email to that attorney.

Thank You,

Will Jones

Hello Ms True,
Looks like all is well as far inactive wells and the ACO.
Just send answers to the other issues.

Thank You,

Will Jones
New Mexico
Oil Conservation Division
Images Contacts

From: Swazo, Sonny, EMNRD
Sent: Tuesday, July 31, 2012 8:38 AM
To: Jones, William V., EMNRD
Cc: Sanchez, Daniel J., EMNRD; Ezeanyim, Richard, EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Will:

The OCD has an ACO with EOR for the wells currently on the inactive well list. The ACO does allow EOR to obtain an injection permit without being barred by 5.9 due to inactive wells. However, EOR still has to be in compliance with financial assurance requirements. We told EOR to include the ACO with any applications it files.

From: Jones, William V., EMNRD
Sent: Monday, July 30, 2012 5:57 PM
To: jtrue@enhancedoilres.com
Cc: Ezeanyim, Richard, EMNRD; Sanchez, Daniel J., EMNRD; Swazo, Sonny, EMNRD
Subject: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Ms. True,

Reviewed your application to add this well as a part of the waterflood and wanted to comment and ask a few questions,

- a. The log on this well in our files does not reach the Devonian top – would you see if you have any other log in your file and if so, send a copy to Paul Kautz our geologist in Hobbs?
The only log I have found in the file reaches only 11,960'. What will we need to do?
- b. Please ask your field folks to get a recent fresh water sample from any water well or windmill within 1 mile of this location and have it analyzed and send the analysis to me. Let me know if they cannot locate any fresh water wells.
Our field guy, Marcelino, is in the process of obtaining samples. I believe there is 1 water well within 1 mile. I will get you the analysis once we have received them.
- c. Please send form "Administrative Application Checklist" – this should be included with any administrative application sent here. It is the first unnumbered form on the "forms" menu of the web site.
I have attached a scanned copy of the "Administrative Application Checklist"
- d. The sections involved in this application seem to be all "Fee" surface and "Fee" minerals. Please have your Landman send a signed note to me as to:
 - a. Who is the owner (not the lessee) of the surface lands at this well location? They must be noticed.
 - b. Who owns the mineral rights at the Devonian depths within the lands in offsetting sections 26 and 35. List the separately owned tracts and the owners of each tract.I have attached a scanned copy of a note from our landman, Tony Krakauskas listing surface and mineral owners.

Jones, William V., EMNRD

From: Jana True <jtrue@enhancedoilres.com>
Sent: Friday, September 07, 2012 8:04 AM
To: Jones, William V., EMNRD
Subject: FW: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet
Attachments: Affidavit of Publication.pdf; Administrative Application Checklist.pdf; Notes From Landman.pdf; Sawyer Fresh Water Well Analysis 2008.pdf

From: Jana True [mailto:jtrue@enhancedoilres.com]
Sent: Tuesday, August 21, 2012 4:14 PM
To: william.v.jones@state.nm.us
Subject: FW: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Below is my email response to your questions.
In addition, I spoke with you regarding the water analysis and mentioned that we are having an issue with the landowner and they would not let us test any fresh water wells they have. I do however have a water analysis from a freshwater well in that location conducted Nov. 2008 that I am including with this email.

Please let me know if we you need anything further. EOR still intends to work with Williams and expects they may withdraw their protest prior to a scheduled hearing.

From: Jana True [mailto:jtrue@enhancedoilres.com]
Sent: Thursday, August 02, 2012 4:13 PM
To: 'Jones, William V., EMNRD'
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

I apologize for not including the ACO with the application. It should have been included but did get left out. This is the first Application to Inject I have filed and appreciate your help in walking me through all the steps!

I have listed answers to your questions below. Please review and advise of anything further.
I am including scanned copies of some of the requested items.
Please let me know if these are correct and I will mail originals to you today.

Thanks,
Jana

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Tuesday, July 31, 2012 10:44 AM
To: jtrue@enhancedoilres.com
Subject: FW: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Williams ranch is the only surface land owner and has been notified.

- e. Send a copy of the actual newspaper notice with the posting date when it appears in the newspaper. I have attached a scanned copy of an "Affidavit of Publication" from the Hobbs News-Sun which includes a copy of the actual newspaper copy. Will you need the original or will a copy work as we only have one original?
- f. Let me know about the inactive wells and whether EOR has a current Agreed Compliance Order – the Rule 5.9 prohibits me from issuing any disposal or injection permit unless the OCD compliance manager tells me I can proceed.

As comment: For future applications, send wellbore diagrams of any plugged wells within ½ mile – this is required but I was able to use your other data in this case. Also put the API numbers on the application subject well and on all pages with data on any one offsetting well – I was able to look these up for this current application. When expanding a waterflood, always list the Division hearing order allowing that waterflood – in this case Order R-11641 issued in Case No. 12418 established this waterflood and allowed it to be expanded.

Thank You,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Thursday, September 06, 2012 8:50 AM
To: 'Jana True'
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Jana,
I have not received your 8/2/12 email (answers to the questions).
Please resend.

Will

From: Jana True [<mailto:jtrue@enhancedoilres.com>]
Sent: Wednesday, September 05, 2012 5:41 PM
To: Jones, William V., EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Mr. Jones,
I have been informed by our attorney that Ernest Padilla, the Williams' Ranch attorney, will be sending you a letter to formally withdraw their protest.
Will you please let me know if you received my earlier responses and if there is anything further EOR will need to provide in order to move forward with the application?

Thank you,
Jana True

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Tuesday, August 21, 2012 4:05 PM
To: Jana True
Cc: glarson@hinklelawfirm.com; Ernest Padilla (padillalaw@qwestoffice.net)
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Jana,
Please send your 8/2/12 responses again – I can't find that email.

Thanks,

Will Jones

From: Jana True [<mailto:jtrue@enhancedoilres.com>]
Sent: Tuesday, August 21, 2012 2:39 PM
To: Jones, William V., EMNRD

PADILLA LAW FIRM, P.A.

STREET ADDRESS
1512 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

MAILING ADDRESS
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523

EMAIL ADDRESS
padillalaw@qwestoffice.net

TELEPHONE
505-988-7577

FACSIMILE
505-988-7592

RECEIVED OGD

August 7, 2012
2012 AUG -7 A 10:55

VIA EMAIL

Jamie Bailey
Director, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

(30-025-03629)

Re: *Application of EOR Operating Company
C-108 for Injection Well
U D Sawyer No. 001
Unit A, 660 FNL and 660 FEL
Section 34, T9S, R26E
Lea County, NM*

[Handwritten mark]

Dear Ms. Bailey:

36

This firm has been retained by Williams Ranches of Crossroads, New Mexico in connection with the above-referenced application to re-permit the U D Sawyer No. 001 and an injection well. At this time Williams Ranches objects to the application.

The basis of the objection is that the proposed injection well, upon information and belief, was drilled in the 1950s and its integrity as an injection well, with high pressures and injected volumes, is questionable. Another injection well of similar vintage located in the in the immediate area had a number of issues following its conversion to an injection well. Accordingly, until EOR Operating Company, demonstrates that the integrity of the proposed injection well can sustain injection pressures and capacities without harm to the fresh water sources of the Williams Ranches, Williams Ranches opposes the application.

Should have any questions, please let us know.

Very truly yours,

[Handwritten signature]

ERNEST L. PADILLA

ELP:jbg

xc: Joe Ed Williams
EOR Operating Company

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, July 30, 2012 5:57 PM
To: 'jtrue@enhancedoilres.com'
Cc: Ezeanyim, Richard, EMNRD; Sanchez, Daniel J., EMNRD; Swazo, Sonny, EMNRD
Subject: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Hello Ms. True,

Reviewed your application to add this well as a part of the waterflood and wanted to comment and ask a few questions,

- a. The log on this well in our files does not reach the Devonian top – would you see if you have any other log in your file and if so, send a copy to Paul Kautz our geologist in Hobbs?
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Tel 505.476.3448 – Fax 505.476.3462

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Attachments: 2012 6-7 ACO 277.pdf

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Oil Conservation Division
Images Contacts

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Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, August 21, 2012 3:05 PM
To: 'Jana True'
Cc: glarson@hinklelawfirm.com; Ernest Padilla (padillalaw@qwestoffice.net)
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

Jana,
Please send your 8/2/12 responses again – I can't find that email.

Thanks,

Will Jones

From: Jana True [mailto:jtrue@enhancedoilres.com]
Sent: Tuesday, August 21, 2012 2:39 PM
To: Jones, William V., EMNRD
Subject: RE: Waterflood Expansion application from EOR Operating Company: U.D. Sawyer #1 30-025-03629 A/34/9S/36E/Lea Devonian perforations from 12126 to 12150 feet

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Mr. Ernest L. Padilla, Esq.
Padilla Law Firm, P.A.
PO Box 2523
Santa Fe, NM 87504-2523
padillalaw@qwestoffice.net
505-988-7577

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505-476-3448W 505-476-3462F
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*Cancelled
APPLICATION in DATA Base
8/8/12*

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Free Lease Area, new Name?
 Fee Minerals / Fee Surface

Injection Permit Checklist (11/15/2010)

WFX 903 PMX SWD Permit Date _____ UIC Qtr _____

Wells 1 Well Name(s): UD SAWYER #1 or (CSTU #101)

API Num: 30-025-03629 Spud Date: 10/1/57 New/Old: 0 (UIC primacy March 7, 1982)

Footages 660FNL/660FEL Unit A Sec 34 Tsp 95 Rge 36E County LEA

General Location: _____

Operator: EOR OPERATING COMPANY Contact JANA TRUE

OGRID: 25T420 Rule 5.9 Compliance (Wells) 24/89 (Finan Assur) OK IS 5.9 OK? X

Well File Reviewed ✓ Current Status: Monitor Gas Test Receipts Per Production

Planned Work to Well: _____

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

Core 12417 - UNIT
 Core 12418 - WF

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
	Hole.....	Pipe				
New ___ Existing ___ Surface	<u>17/2</u>	<u>13 5/8</u>	<u>323'</u>		<u>400 SX</u>	<u>CIRC</u>
New ___ Existing ___ Intern	<u>12/4</u>	<u>9 5/8</u>	<u>419'</u>		<u>3000 SX</u>	<u>CIRC</u>
New ___ Existing ___ LongSt	<u>7/8</u>	<u>5/2</u>	<u>12170</u>		<u>700 SX</u>	<u>9800' TS.</u>
New ___ Existing ___ Liner	<u>2</u>	<u>4050</u>	<u>12187 TD</u>			
New ___ Existing ___ OpenHole			<u>12183 PBTD</u>			

Depths/Formations: _____

	Depths, Ft.	Formation	Tops?
Formation(s) Above	<u>11520 -</u>	<u>MISS</u>	<u>✓</u>
	<u>12130</u>	<u>DEV</u>	<u>✓</u>
Injection TOP:	<u>12126</u>	<u>Dev</u>	Max. PSI <u>2425</u> OpenHole ___ Perfs <u>✓</u>
Injection BOTTOM:	<u>12150</u>	<u>Dev</u>	Tubing Size <u>2 7/8</u> Packer Depth <u>12050</u>
Formation(s) Below			

Capitan Reef? ___ (Potash? ___ Noticed? ___) (WIPP? ___ Noticed? ___) Salado Top/Bot 2210- Cliff House? ___

Fresh Water: Depths: _____ Formation _____ Wells? yes Analysis? ✓ Affirmative Statement OK

Disposal Fluid Analysis? N/A Sources: DEVONIAN ONLY FOR PR

Disposal Interval: Analysis? _____ Production Potential/Testing: _____

Notice: Newspaper Date 7/24/12 Surface Owner WILLIAMS Ranch Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: WILLIAMS RANCH (7/20/12)

AOR: Maps? ✓ Well List? ✓ Producing in Interval? yes Wellbore Diagrams? NO

.....Active Wells 3 Repairs? _____ Which Wells? _____

.....P&A Wells 8 Repairs? _____ Which Wells? _____

Issues: TOPS = ? Request Sent _____ Reply: _____