

10/16/06 DATE IN	SUSPENSE	BROOKS ENGINEER	10/16/06 LOGGED IN	NSL TYPE	PDRC0628948605 APP NO.
---------------------	----------	--------------------	-----------------------	-------------	---------------------------

W. Jones

11/6/06

DHC

PD50631098097

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



OXY  
Lachy Roy Fed Com #2  
5467

2006 OCT 16 AM 11:24

## ADMINISTRATIVE APPLICATION CHECKLIST

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

### Application Acronyms:

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

### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☒ Working, ~~Royalty or Overriding Royalty~~ Interest Owners  
*Adjoining Spacing Unit being encroached upon.*  
[B] ☒ Offset Operators, ~~Leaseholders or Surface Owner~~  
[C] ☐ Application is One Which Requires Published Legal Notice  
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E] ☒ For all of the above, Proof of Notification ~~or Publication~~ is Attached, and/or,  
[F] ☐ Waivers are Attached

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

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

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

David Stewart  
Print or Type Name

*David Stewart*  
Signature

Sp. Regulatory Analyst  
Title

10/13/06  
Date

david\_stewart@oxy.com  
e-mail Address



**OXY USA WTP Limited Partnership**

PO Box 50250  
Midland, TX 79710-0250

October 13, 2006

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

Attention: Mike Stogner – William Jones

Re: *Application for Administrative Approval of Unorthodox Gas Well Location –  
Application for Administrative Approval for Downhole Commingling -  
Crow Flats; Strawn, West – Wildcat; Upper Penn  
OXY Lucky Dog Federal Com #2 – 2330 FSL 660 FEL Unit I Section 33 T16S R27E  
Eddy County, New Mexico*

Dear Mr. Stogner:

OXY USA WTP Limited Partnership respectfully requests administrative approval under Rule 104 (F) of this application for the subject unorthodox gas well location on the OXY Lucky Dog Federal Com #2. OXY directionally drilled the OXY Lucky Dog Fed Com #2 from a non-standard surface location to a standard bottom-hole location for the primary objective, which was Morrow gas spaced on 320-acre spacing. The non-standard surface location was necessary for reasons of topography, as required by the BLM. We were unable to establish production in the Morrow, but encountered shallower Strawn and Upper Penn reservoirs capable of flowing modest volumes of gas (274 MCFD combined from both zones). The final path of the directional well was such that the wellbore penetrated the Upper Penn and Strawn reservoirs at bottom-hole locations less than 660 ft from the outside boundary of the S/2 laydown spacing unit. For these reservoirs, the well encroaches on the spacing unit to the north, being a Yates operated laydown N/2 with an active Morrow well (Yates Lady Luck AUV #1) and active Atoka well (Yates Lucky Lobo ASX #1). An administrative application for downhole commingling is also been filed for the Oxy Lucky Dog Federal #2.

To support this request, the following information has been submitted for your review:

1. Plat with offsetting wells and operators.
2. Portion of log covering the proposed intervals.
3. NMOCD C-102's for the proposed well and pools.
4. List of affected offset parties that adjoin the non-standard spacing unit and being encroached upon, along with a copy of the certified return receipts. Copies of the signed certified receipts will be furnished upon request.
5. Daily Completion Reports
6. Directional Survey

If you need any additional information, please call me at 432-685-5717.

Sincerely,

David Stewart  
Sr. Regulatory Analyst  
OXY USA WTP LP

Attachments

CC: NMOCD-Artesia, BLM-Carlsbad, Service List

Oxy directionally drilled the Oxy Lucky Dog Fed #2 from a non-standard surface location to a standard bottom-hole location for the primary objective, which was Morrow gas spaced on 320-acre spacing. The non-standard surface location was necessary for reasons of topography, as required by the BLM. We were unable to establish production in the Morrow, but encountered shallower Strawn and Upper Penn reservoirs capable of flowing modest volumes of gas (274 MCFD combined from both zones). The final path of the directional well was such that the wellbore penetrated the Upper Penn and Strawn reservoirs at bottom-hole locations less than 660 ft from the outside boundary of the S/2 laydown spacing unit. For these reservoirs, the well encroaches on the spacing unit to the north, being a Yates operated laydown N/2 with two active Morrow wells (Yates Lady Luck AUV #1 and the Yates Lucky Lobo ASX #1). Our NSL application requests approval to produce from the Wildcat (Upper Penn) Gas Pool and Crow Flats West (Strawn) Gas Pool. An administrative application for downhole commingling has also been filed for the Oxy Lucky Dog Federal #2.

**BHL at top of Upper Penn (7138 MD)**

2361 FSL &amp; 728 FWL

Encroaches 281 ft on the Yates N/2 spacing unit.

**BHL at Upper Penn perfs (7873 -7882 MD)**

Upper perf. 2334 FSL & 735 FEL. Encroaches 306 ft on the Yates N/2 spacing unit.

Lower perf. 2332 FSL & 735 FEL. Encroaches 308 ft on the Yates N/2 spacing unit.

BHL at base of Upper Penn, top of Strawn (8130 MD)

2260 FSL &amp; 736 FEL

**Encroaches 380 ft on the Yates N/2 spacing unit.**

**BHL at Strawn perfs (8172-8180 MD)**

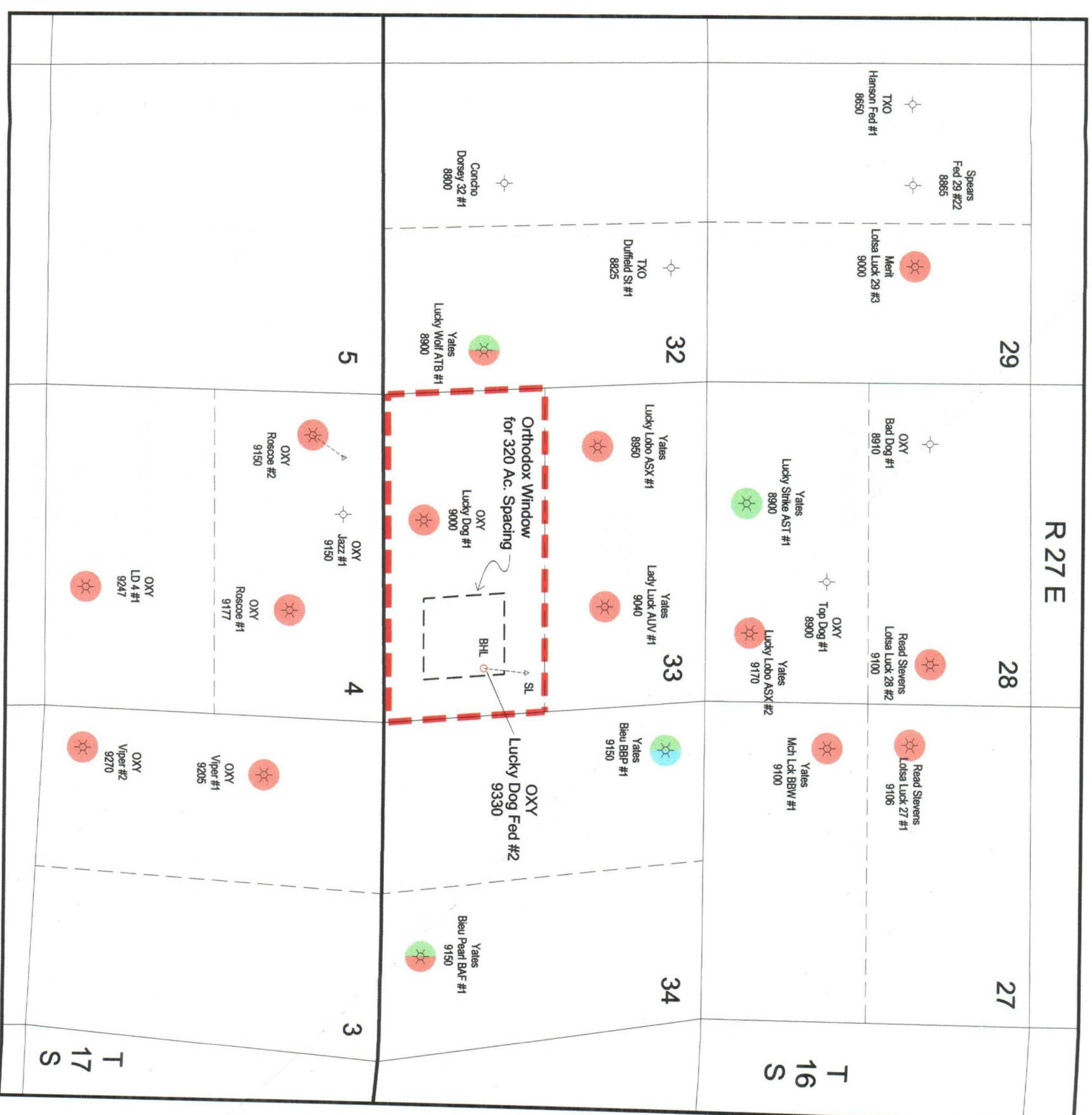
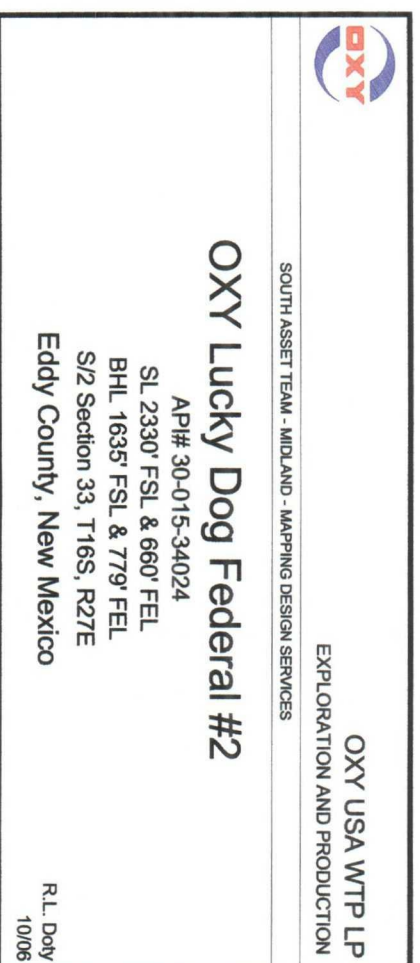
Upper perf: 2243 FSL & 737 FEL. Encroaches 397 ft on the Yates N/2 spacing unit.

Lower perf: 2240 FSL & 738 FEL. Encroaches 400 ft on the Yates N/2 spacing unit.

**BHL at base of Strawn (8783 MD)**

1910 FSL &amp; 761 FEL

**Does not encroach.**



DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 30-015-34024	Pool Code	Pool Name Wildcat, Upper Penn
Property Code 34718	Property Name OXY LUCKY DOG FEDERAL COM	Well Number 2
OGRID No. 192463	Operator Name OXY U.S.A. W.T.P., LP	Elevation 3395'

Surface Location

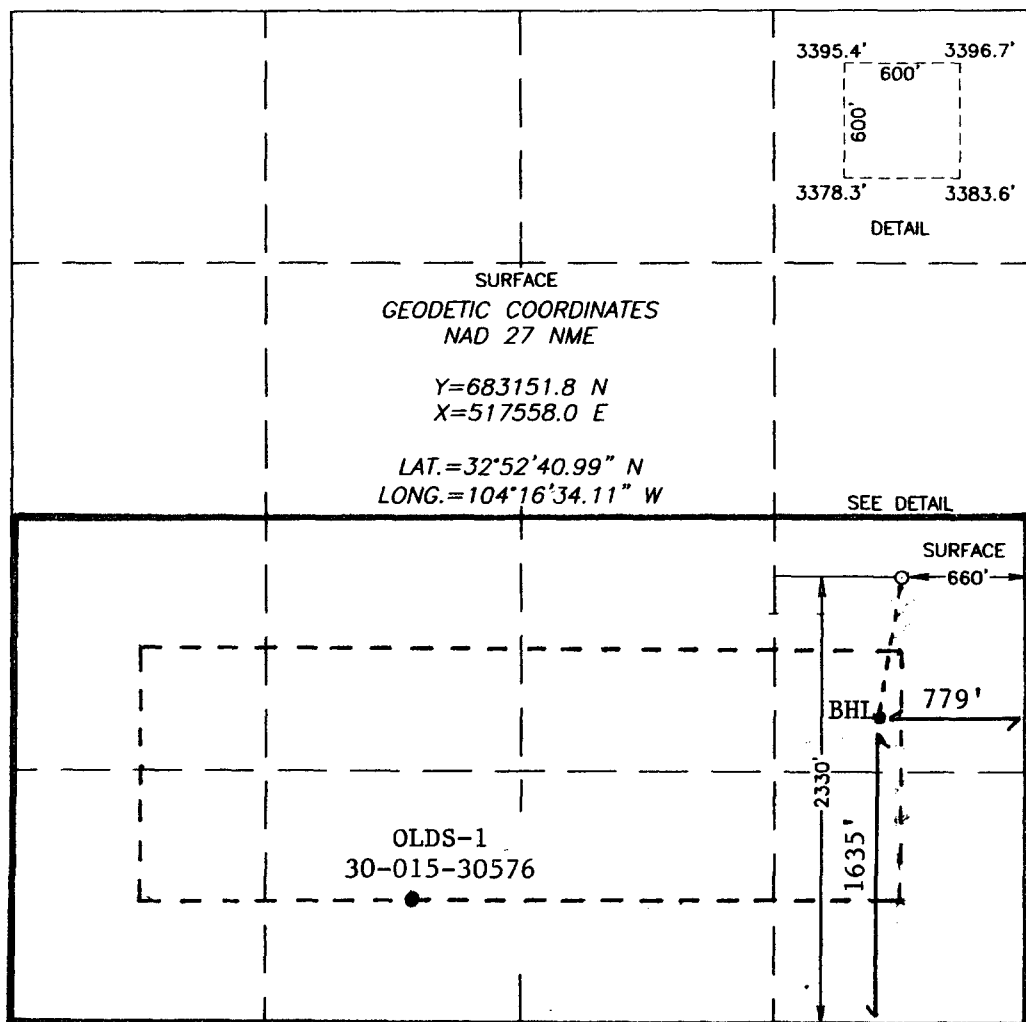
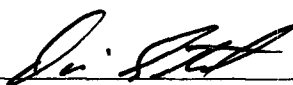
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	33	16-S	27-E		2330	SOUTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	33	16-S	27-E		1635	south	779	east	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	N		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

 <p>SURFACE GEODETIC COORDINATES NAD 27 NME Y=683151.8 N X=517558.0 E LAT.=32°52'40.99" N LONG.=104°16'34.11" W</p> <p>DETAIL</p> <p>SEE DETAIL</p> <p>OLDS-1 30-015-30576</p>	<p>3395.4' 3396.7' 600' 600' 3378.3' 3383.6'</p> <p>660' 779' 2330' 1635'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature David Stewart Printed Name Sr. Regulatory Analyst Title 10/13/06 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>DECEMBER 17, 2004</p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor GARY EIDSON 04.17.1488 Certificate No. GARY EIDSON 12841</p>
--	---	--

DISTRICT I  
1625 N. FRENCH DR., HOBBBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-34024	Pool Code 97476	Pool Name Crow Flats Strawn, West
Property Code 34718	Property Name OXY LUCKY DOG FEDERAL COM	Well Number 2
OGRID No. 192463	Operator Name OXY U.S.A. W.T.P., LP	Elevation 3395'

Surface Location

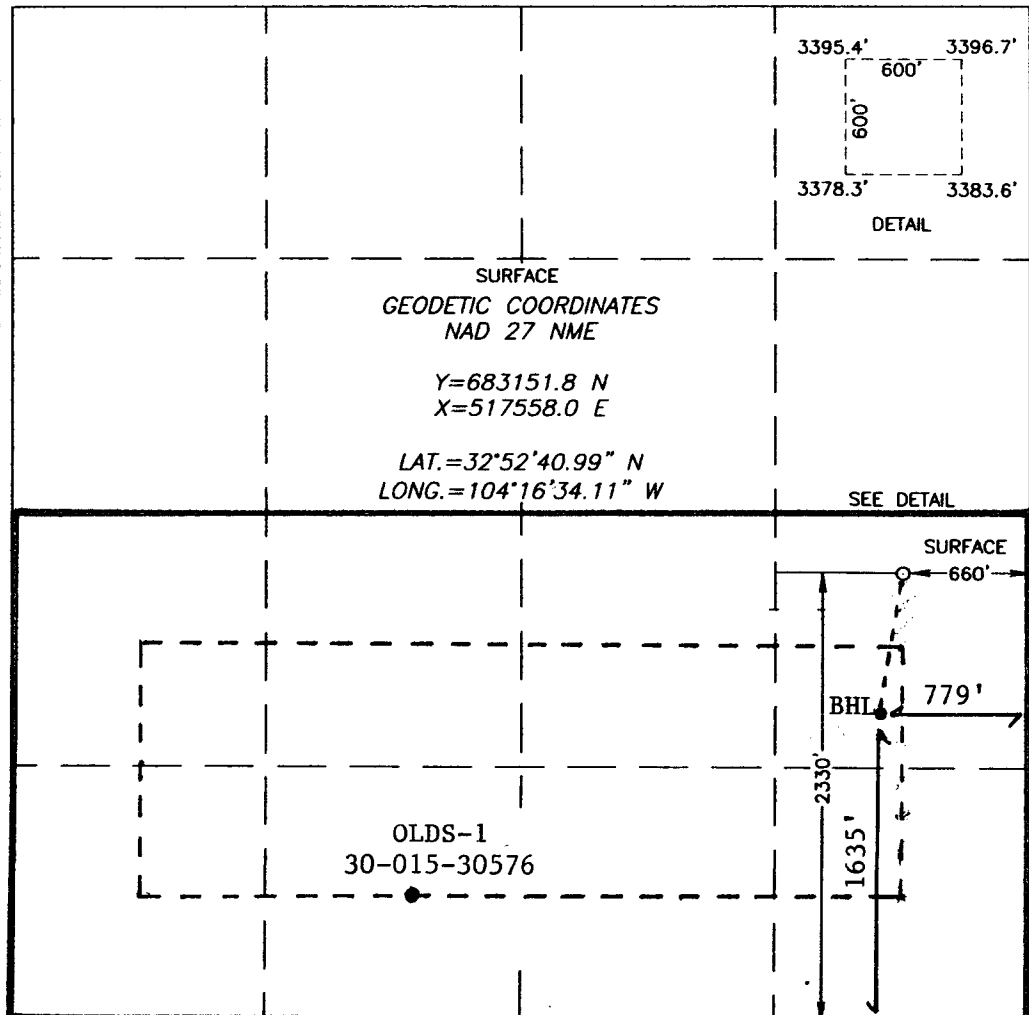

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	33	16-S	27-E		2330	SOUTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	33	16-S	27-E		1635	south	779	east	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	N		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature David Stewart Printed Name Sr. Regulatory Analyst Title 10/13/06 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>DECEMBER 17, 2004</p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor GARY E. EDSON 04.17.1488 Certificate No. GARY E. EDSON 12641</p>
--	--

**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Tuesday, November 07, 2006 2:12 PM  
**To:** 'David\_Stewart@oxy.com'  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Dear Mr. Stewart

The spreadsheets attached to your reply are helpful, but do not necessarily resolve the issue. These sheets state the working interests in Yates' wells. However, these wells are completed only in the Morrow, and your NSL application relates to the Strawn and the Upper Penn. There is always the possibility of a depth severance. Consequently we need you to certify to us that the named parties are all parties owning working interests of record (or known to OXY) in the N/s of Section 33 as to the Strawn and Upper Penn.

Thanks

David Brooks  
Assistant General Counsel  
505-476-3450

---

**From:** David\_Stewart@oxy.com [mailto:David\_Stewart@oxy.com]  
**Sent:** Monday, November 06, 2006 10:47 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Please see attached for the spreadsheets I received from our landman on the ownership of the wells located in the N/2 of Sec 33-16S-27E. If you need any additional information, please let me know and I will get with our land department and see what they can provide. I appreciate your help in this manner.

Thanks,  
David Stewart  
Sr. Regulatory Analyst  
OXY Permian  
432-685-5717  
Fax-432-685-5742

---

**From:** Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]  
**Sent:** Monday, 11 06, 2006 11:24  
**To:** Stewart, David  
**Subject:** NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Dear Mr. Stewart

I have reviewed the referenced application.

The application does not contain sufficient information to demonstrate compliance with all applicable notice requirements. While the parties notified are listed, their ownership in relation to the proposed location, except in

11/7/2006



the case of Yates Petroleum Corporation, is not identified.

Please specifically confirm that the parties identified in the notice certificate attached to your application include all of the owners of working interests in the N/2 of Section 33-16S-27E in the Strawn and Upper Penn formation. Notice to all such working interest owners is required since Yates is designate operator only for the Morrow.

Thanks in advance for your attention.

Very truly yours,

David K. Brooks  
Assistant General Counsel  
505-476-3450

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

11/7/2006

**Lucky Lobo ASX Federal Com #1**  
**Working Interest Owners**

Abo Petroleum, Corporation	
Myco Industries, Inc.	
Yates Drilling Company	
Yates Petroleum Corporation	105 S. 4th Street, Artesia, NM 88210
Andrews Oil, L.P.	2219 Westlake Dr., Austin, TX 78746
Chi Energy, Inc.	P.O. Box 1799, Midland, TX 79702
Corkran Energy, LP	2219 Westlake Dr., Austin, TX 78746
McCombs Energy, LLC	5599 San Felipe, Suite 1200, Houston, TX 77056-2794
Southwestern Energy Production	2350 N. Sam Houston Parkway, Houston, TX 77032
OXY USA WTP Limited Partnership	P.O. Box 50250, Midland, TX 79710



**Lady Luck AUV Federal Com #1  
Working Interest Owners**

Abo Petroleum, Corporation	
Myco Industries, Inc.	
Yates Drilling Company	
Yates Petroleum Corporation	105 S. 4th Street, Artesia, NM 88210
Andrews Oil, L.P.	2219 Westlake Dr., Austin, TX 78746
Chi Energy, Inc.	P.O. Box 1799, Midland, TX 79702
Corkran Energy, LP	2219 Westlake Dr., Austin, TX 78746
McCombs Energy, LLC	5599 San Felipe, Suite 1200, Houston, TX 77056-2794
Read & Stevens, Inc.	P.O. Box 1518, Roswell, NM 88202
Southwestern Energy Production	2350 N. Sam Houston Parkway, Houston, TX 77032
OXY USA WTP Limited Partnership	P.O. Box 50250, Midland, TX 79710



PO Box 50250  
Midland, TX 79710-0250

October 13, 2006

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

(Offset Operator Address)

Re: *Application for Administrative Approval of Unorthodox Gas Well Location –  
Application for Administrative Approval for Downhole Commingling -  
Crow Flats; Strawn, West – Wildcat; Upper Penn  
OXY Lucky Dog Federal Com #2 – 2330 FSL 660 FEL Unit I Section 33 T16S R27E  
Eddy County, New Mexico*

Ladies and Gentlemen:

Enclosed is a copy of an application, filed with the New Mexico Oil Conservation Division by OXY USA WTP Limited Partnership, requesting administrative approval under Rule 104 (F) of an unorthodox gas well location and downhole commingling. As an affected party, notice is being provided to you pursuant to Rule 104 (F). The well is located in the NESE/4 of Section 33 T16S R27E, Eddy County, NM. If you object to the well's location, you must notify the Division in writing no later than 20 days from the date the application is received by the NMOCDD (1220 South St. Francis Drive, Santa Fe, NM 87505; Attention: Mike Stogner).

If you need any additional information, please call me at 432-685-5717.

Sincerely,

David Stewart  
Sr. Regulatory Analyst  
OXY USA WTP LP

Attachments

**Service List – NSL  
OXY USA WTP LP  
OXY Lucky Dog Federal Com #2  
Sec 33 T16S R27E**

United States Dept of Interior  
Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220-6292

New Mexico Oil Conservation Division  
1301 W. Grand Ave.  
Artesia, NM 88210

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

**Affected Offset Parties:**

Abo Petroleum, Corporation  
105 S. 4<sup>th</sup> Street  
Artesia, NM

Andrews Oil, LP  
2219 Westlake Dr.  
Austin, TX 78746

Chi Energy, Inc.  
P.O. Box 1799  
Midland, TX 79702

Corkran Energy, LP  
2219 Westlake Dr.  
Austin, TX 78746

McCombs Energy, LLC  
5599 San Felipe, Ste. 1200  
Houston, TX 77056-2794

Myco Industries, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

OXY USA WTP LP  
P.O. Box 50250  
Midland, TX 79710-0250

Read & Stevens, Inc.  
P.O. Box 1518  
Roswell, NM 88202

Southwestern Energy Production  
2350 N. Sam Houston Parkway  
Houston, TX 77032

Yates Drilling Company  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

Yates Petroleum Corporation  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

## OXY LUCKY DOG FEDERAL #2

10/05/2005 CMIC: Nichols

MIRU both Pulling Unit and reverse unit. Unload, rack, and tally 301 jts 2 3/8 L-80 4.7# EUE tubing. Trucker tally 9402.88. NU BOP. RIH w/ 4 3/4 bit, x-over, 4-3 1/2 DC's on 97 jts tbg to 3135. SION

10/06/2005 CMIC: Nichols

Finish RIH to 9234(PBTD). Circ hole with 6% KCL wtr. POOH w bit, collars, and tbg. SION. Will run Cement Bond Logs this AM.

10/07/2005 CMIC: Nichols

RU Halliburton wireline truck. RIH w/ gague ring on junk basket to PBTD. Ran CBL from 9227 to TOC @ 4480. Relog same interval under 1000# pressure. Bond indicated good to fair through entire interval. SION Will perf today.

10/08/2005 CMIC: Nichols

RU Halliburton full lubricator. Perforate Morrow 2 S/F w/premium charges as follows: 8855-8864, 8885-8890, 8908-8912. Total 42 holes. Depth Reference log Baker Atlas Compensated Neutron Log dated August 15, 2005. RIH and set on wireline as follows:

1 2/38 WLEG	0.41	set @ 8782.64
1- 1.81 "F" nipple	0.98	set @ 8782.23
1-2 3/8 L-80 tbg sub	3.80	set @ 8781.25
1-Baker Model "EL" Hornet pkr	7.45	set @ 8777.45 ( bottom)
		set @ 8770.00 ( top)

RIH on tbg as follows:

1-L-10 on/off tool w/1.87 "F" profile	0.85
1-2 3/8 boxX2 7/8 pin X-over	0.65
281-jts 2 3/8 L-80 4.6# 8rd tbg-	8716.33
2-2 3/8 tbg subs	4.15
1 jts 2 3/8 L-80 4.6# 8rd tbg	31.02
Sub Total	8754.00
KB	16.00
Total	8770.00

Spaced out. Circ hole w 190 bbls Baker pkr. fluid. NDBOP NUWH Set 12 points compression on Pkr. Tested pkr to 1000#. held OK SI

10/09/2005 CMIC: Nichols

RU swab. Lowered fluid level in tbg. to 5500'. Slick line truck to pull blk. plug cancelled out. Will pull Monday 10th. SION

10/11/2005 CMIC: Nichols

RU Pro Wireline Truck. Pulled blk plug from pkr @ 8770. RU Swab. IFL @ 5500'. Swab well dry in 4 runs. SD for 1 hr. No fluid entry. SD for another hr. w/ no fluid entry. No show of gas. SION. Will acidize today.

10/12/2005 CMIC: Nichols

SI press. 50# Bled press off. RU Stinger wellhead protector. RU Halliburton and FLO CO2. Acidized Morrow perf (8855-8912) w/ 4000 gals 7 1/2 % HCL and 50Q CO2. Used 6 BIOBALLS w/no action. Load and press backside to 1000#. Max Press = 6916. Min press = 3756. Well did not "break" started feeding at 6801# Only dropped 6 ball sealers due to press being near maxium. Avg Treating rate Min = 4.2 BPM. Max 4.6 BPM. Used total 13 tons of CO2 ( 11 tons downhole and 2 tons cooldown) ISIP = 3706. 5 min SIP 3610. 10 min SIP = 3568. 15 min SIP = 3538. Total load to rec'd 80 bbls. RD Halliburton and Stinger. Open well to pit @ noon. Rec'd 17 bbls load. Lack 63 bbls of load. Well died at 1700 hrs. SI for one hour. Press built to 50# Open to pit and press bled off. SION. Will flow/swab today.

10/13/2005 CMIC: Nichols

SITP = 550#. Bled press. RU swab. IFL @ 6135. Swab well dry in 3 runs to SN. Rec'd 9 bbls. SI for one hour. Press built to 50#. Bled off and RIH w swab to SN. No fluid in hole. Repeated each hour for 7 hrs. with same results. No more fluid recovered. Total load to recover = 54 bbls. SION

10/14/2005 CMIC: Nichols

SITP = 500#. Bled pressure off in 20 min. No fluid rec'd. RU swab. IFL @ 8270'. Swab well dry in one run. Made swab run each hour, no fluid in hole. Flare would burn a 2' to 3' flare between swab runs. Rec'd 2 bbls during day and all on first swab run. Total of 52 bbls of load to recovery. SION

10/15/2005 CMIC: Nichols

SITP = 200#. Bled press. Load Tbg w/33 bbls 6% KCL wtr. ND Tree. NU BOP. Released pkr. Lay down 22 jts 2 3/8 tbg. POOH. RU Halliburton Wireline Truck. Set 5 1/2 Owens CIBP on WL @ 8800'. Dumped 3 sxs Class "H" cement on top of plug. PBTD now 8765. SI till Monday

10/18/2005 CMIC: Nichols

RU Halliburton full lubricator. Perforate Strawn 2 S/F w/ Millennium HMX Super DR charged, (Pen = 50.93", w/0.4 EH) @ 8172 to 8180. Total 18 holes. Depth Reference log Baker Atlas Compensated Z-Densilog Compensated Neutron Log dated August 15, 2005. RIH and set on wire line:

1 2 3/8 WLEG	0.41	set @ 8093.87
1- 1.81 "F" nipple	0.98	set @ 8093.46
1 2 3/8 L-80 tbg sub	3.85	set @ 8092.48
1 2 7/8 box X 2 3/8 pin X-over	0.68	set @ 8088.63
1 Baker Model "EL" Hornet pkr	7.95	bottom set @ 8087.95
		top set @ 8080.00

RIH on tbg as follows:

1- L-10 on/off w/1.875 "F" profile	1.50	set @ 8078.50 [plug in place]
1- 2 3/8 box X 2 7/8 pin X-over	.65	
259 jts 2 3/8 L-80 4.6# 8rd tbg	8027.06	
1- 2 3/8 L-80 4.6# 8rds tbg sub	3.75	
1-jt 2 3/8 L-80 4.6# 8rd tbg	31.04	
Sub total	8064.00	
KB	16.00	
TOTAL	8080.00	

Spaced out. Latch onto pkr w/ 15 points compression. Tested pkr to 1000#—OK. RU swab and lowered FL to 6000'. Will pull plug today.

10/19/2005 CMIC: Nichols

RU Pro Wire Line. Pulled blk plug from pkr at 8080. RU swab. IFL @ 5600 Swab well dry in 2 runs. Rec'd 11 bbls wtr. Made one swab run an hour for 4 hrs. No fluid entry. SION

10/20/2005 CMIC: Nichols

SITP = 200# Bled off in 20 mins. RIH w/swab. IFL at 7100'. Rec'd 3 bbls wtr. RU Stinger wellhead protector and Halliburton. Load backside to 1000# OK. Acidized Strawn perf. ( 8172-8180) w/ 2000 gals 7 1/2% HCL acid. Used 50 7/8 ball sealers with good action ( balled

out ) Fludhed w/35 bbls 6% KCL wtr. Max press= 6971#. Min press= 4048#, Avg press= 5322#, Avg Rate= 4.4 B/M. ISIP= 2654#, 5 min SIP= 2096#, 10 min SIP=2096#, 15 min SIP= 1535#. Formation broke @ 4048#. Total Load to recovery = 83 bbls. RD Halliburton and Stinger. Open well to pit w/ 1000# press. Bled off in 25 mins. ND tree, NU BOP & Frac valve. Picked up 4 jts and ran in hole to wipe frac ball off of perfs. Laid down 4 jts. POOH. SION.

**10/21/2005 CMIC: Nichols**

RU Stinger well head protector. RU Halliburton. Installed pop-off on backside and set @ 1000#. Load backside to 500#.Frac Stran perf( 8172-8180) w/ CO2 Foam consisting of 40# Water Frac CMHPG and 70% CO2 carrying 50,000# of Versaprop down 5 1/2 casing at 25 B/M.  
 Stage 1: Pump 23,000 gal pad, Stage 2: 3500 gal w/0.5 #/gal sand @ 5259#  
 Stage 3: 4000 gal w/ 1.0 #/gal sand @ 5316# Stage 4: 4500 gal w/1.5 #/gal sand @ 5269#  
 Stage 5: 5000 gal w/ 2#/gal sand @ 5334# Stage 6: 5000 gal w/ 2.50#/gal sand @ 5438#  
 Stage 7: 5000 gal w/ 3#/gal sand @ 5471# Stage 8: 8350 gal flush 5536#  
 ISIP = 5443#, 5 min SIP= 5012#, 10 min SIP= 4853#. 15 min SIP= 4918#.

Total load pumped 18235 gals (434 bbls). Total proppant pumped 507 sxs. Total CO2 pumped 156 tons downhole+6 tons for cool down. Max press= 6226#. Avg press= 5247#. Max rate= 27 B/M. Avg rate= 25.5 B/M. RD Halliburton and Stringer. Open well to pit at 1245 hrs on 16/64 choke w/ 5500# press. Backflowed well for 14 1/4 hrs. Well died at 0300hrs 10/21/05. Rec'd 128 bbls load. 347 bbls to rec'd. SI BUP

**10/22/2005 CMIC: Nichols**

Open well to pit @ 0700. Flowed for 5 hrs on 2"choke w/ 8# to 10# press. Burning steady 6' to 7' flare. No fluid recovered. Ru Halliburton WL and RIH w/ Gague Ring to 8300" No show of sand. SION.

**10/23/2005 CMIC: Nichols**

SIP=750#. Bled off press. RU Halliburton full lubricator. RIH and set Baker inverted on/off tool. Retrive-D pkr w/ 1.81 profile nipple w/plug in place. Set @ 8080'.RD Halliburton wire line truck. RIH w/ Baker anchor seal assy. on 260 jts 2 3/8 tbgs. spaced out and latched on to pkr w/15 points compression. ND BOP NU Tree. RU Pro slick line truck. RIH to pull equil.prong. Could not latched onto it. RIH w/bailer. No junk or sand rec'd. Reran pulling tool. Could not latch onto plug. RIH w/impression blk. Block indicated that plug was ran upside down (no way to fish ). RD Pro. SION. Will POOH w/tbg and pkr today.

**10/24/2005 CMIC: Nichols**

ND tree. NU BOP Released from pkr and POOH w/on/off tool and seal assy. RIH w Baker stinger. Latched on to pkr. Could not release. Worked for one hour without any success. Sheared pens in retrieving tool. POOH. Repin tool and ran back in hole. Latched onto pkr Press csg to 1500#. Worked for 3/4 hrs w/ no success. Released press. Released from pkr pulled one stand SION

**10/25/2005 CMIC: Nichols**

POOH w/ Baker retrieving tool & tbgs. Replaced retrieving tool and RIH on 2 3/8 tbgs. Latched onto pkr. Worked for 1 3/4 hrs. Pkr finally came loose. POOH. Recovered packer and blanking plug. (plug was upside down). SION

**10/26/2005 CMIC: Nichols**

SI Press=20#. Bled off. RU Halliburton wireline truck. RIH w/junk basket & 4.70 gague ring. POOH. RIH and set on wireline as follows:

1-2 3/8 WLEG	0.40	set @ 8113.98
1-1.81 "F" nipple [ plug in place ]	0.98	set @ 8113.58
1-2 3/8 n-80 tbgs sub	6.15	set @ 8112.26
1-2 7/8box 2 3/8 pin x-over	0.60	set @ 8106.45
1- Baker Model45 Retrieva-D pkr	5.85	bottom set @ 8105.85
		top set @ 8100.00

RIH on tbgs as follows:

1-Baker Anchor Seal Assy	0.85	2.72
1-2 3/8 tbgs sub		1.55
1- Baker L-10 on/off tool upside down		1.64
____- jts 2 3/8 L-80 8rd 4.6# tbgs		8027.02
3-2 3/8 L-80 8rd 4.7# tbgs subs (7.96,4.1,9.85)		21.90
1 jt 2 3/8 L-80 8rd 4.7# tbgs		31.04
SUB TOTAL		8084.00
KB		16.00
TOTAL		8100.00

Set 15 pts comp. on pkr. ND BOP, NU Tree. SION

**10/27/2005 CMIC: Nichols**

RU Pro wire line truck. RIH and latched onto eq. pin. Jarred pin out of plug. Fluid level at 5500'. POOH. RIH and latched onto plug. Jarred loose and POOH. Fluid level at 1000'. RD wire line truck. Turn well to pit @ 1445 hrs on 20/64 choke with 1000# tbgs press. In 15 hrs well flowed 20 bbls wtr on 20/64 choke. Tbg pressure varied from 60# to 100#. Gas rate 192,000 cfd. Gas still has over 20% CO2. Con't testing.

**10/28/2005 CMIC: Nichols**

SI well @ 0900 hrs to build pressure. RU Pro Wireline truck. RIH & set 1.81 blanking plug in profile nipple at 8114. (press had built to 500#).Bled press. Plug held OK. RD Pro. ND tree NU BOP. Released from on/off tool and POOH. SION

**10/29/2005 CMIC: Nichols**

RU Halliburton wire line truck. Perf Penn formation @ 7873-7882 (2s/f) w/ premium charges. Total 20 holes. RIH and set on wireline as follows:

1-Baker Moded 'EL' Hornet pkr w/wieg	7.87	Set @ 7800'
--------------------------------------	------	-------------

RIH on tbgs as follows:

1-L-10 on/off tool w/ 1.87 "F" nipple in place	1.50
1 2 3/8 box X 2 7/8 pin X-OVER	0.68
250 jts 2 3/8 L-80 4.6# 8rd tbgs	7746.40
1-2 3/8 tbgs sub	4.10
1-jt 2 3/8 L-80 4.6# 8rd tbgs	31.53
Sub Total	7784.00
KB	16.00
TOTAL	7800.00

Spaced out, set 15 pts comp on pkr. ND BOP NU WH. Tested pkr to 1000#-OK. RU swab and lowered FL to 4000'. RU Pro slick line truck and pulled plug from pkr.. SI till Monday.

**11/01/2005 CMIC: Nichols**

SI press 0. RU Stinger wellhead isolation tool and Halliburton. Load and press backside to 1000#-OK. Acidized Penn perf (7873-7882) w/ 2000 gal 7 1/2% HCL acid. Max press- 5607, Avg press- 3982, Avg rate-3.6 b/m. Used 30 ball sealers with poor results ( did not ball out). ISIP- 4001, 5 min sip-3549, 10 min SIP- 3359, 15 min SIP- 3230. Total load to recovery = 83bbls. RD Stringer and Halliburton. Bled well down. ND tree, NU frac valve and BOP. Picked up 4 jts 2 3/8 tbgs and ran to knock ball off of perf. POOH layed down 4 jts. POOH. SION

**11/02/2005 CMIC: Nichols**

RU Stinger WH Protector and Halliburton to frac the Penn interval with CO2 Foam consisting of 40# Water Frad CMHPG and 70% CO2 carrying 50,000# of Versaprop. Treated down 5 1/2" csg. Max press-6433#, Avg press-5840#, Max rate- 26.5 bpm, Avg rate-26.1 bpm, ISIP-5578#, 5 min SIP-4976#, 10 min SIP-4811#, 15 min SIP-4556#. Used total down hole of 160 tons CO2 w/ 8 tons for cool down. Total load to rec'd 414 bbls. RD Stinger and Halliburton. Open well to pit at 1430 hrs w/4350#. Backflowed well for 15 hrs. At 0500 hrs well flowing on 3/4 choke, 50# pressure, with 50% CO2 in returns. Flare will not burn constant. Est gas rate of 500,00 cfd. Recovered 275 bbls. Lack 139 bbls of load. Can't backflowing well.

11/03/2005 CMIC: Nichols

SI press-150#. Flow well to pit. Well died in 30 mins. SI for 2 hrs and press would build to 150# and bleed off in 20 mins. Repeated progress all day with out change. SION

11/04/2005 CMIC: Nichols

RU Halliburton wireline truck. RIH w/gauge ring on junk basket to 7825 (48' above top perf). RIH and set on wire line. Baker Hornet packer w/1.87 1/2" plug in place & WLEG on bottom 8.37 set @ 7796.00.

RIH on tbg as follows:

1- L-10 on/off tool	1.50
1-2 3/8 box X 2 7/8 pin X-OVER	0.65
250 jts 2 3/8 L-80 4.6# 8rd tbg	7744.28
1- 2 3/8 tbg sub	2.50
1-jts 2 3/8 L-80 4.6# 8rd tbg	31.07
Sub Total	7780.00
KB	16.00
TOTAL	7796.00

Spaced out and latch on to pkr and set 17 pts comp on pkr. ND BOP & Frac Valve. NU Tree. Load and test pkr to 1000#--Held OK. RU swab and lowered FL to 2000' SION

11/05/2005 CMIC: Nichols

SITP= 300#. RU Pro slick line truck. RIH latch onto eq. prong and pulled out of hole. RIH w retrieveing tool. Could not latch onto plug because of sand. Tools almost got stuck. Worked free and POOH. Tool had large amount of sand on it. RD Pro. RD pulling unit and reverse unit and moved both to Tracy C #2.

11/06/2005 CMIC: Nichols

Waiting on coil tbg unit

11/07/2005 CMIC: Nichols

Wait on coil tbg unit. Halliburton people are out of DOT hrs. Will rig up tomorrow.

11/08/2005 CMIC: Nichols

RU coil tbg unit.

11/09/2005 CMIC: Nichols

Waited on third party crain until 1400 hrs. RU Halliburton Coil tubing unit, fill coil, pressure test tbg, and make up tools. SD till morning.

11/10/2005 CMIC: Nichols

RIH w/ Halliburton coil tubing and overshot. Tag sand at 7790. Wash down to 8089 (did not feel top plug).CHC and POOH. Rec'd top plug (1.87). RIH w/ 1 3/8" catch tool to retrieve equ. prong in bottom plug. Circ sand off of plug (8114). Could not latch onto prong. POOH. Marks on tools showed that tool was trying to go beside prong. Will run slick line to catch prong. SION

11/11/2005 CMIC: Nichols

RU E.M.Hobbs slick line. RIH and tagged at 7976. POH RIH w/ bailer tagged at 7976 (180' below top pkr & 124' above bottom pkr) Worked bailer, POOH Had bailer full of frac sand. RD slick line. RU coil tbg and RIH with retrieveing tool, knuckle jt. Tagged at 7976 and washed down to 8090. Worked for 2 1/2 hrs trying to get into pkr without success. CHC POOH RD coil tbg unit.

11/12/2005 CMIC: Nichols

SITP1600# open well to pit @ 0800hrs. Flowed for 7 1/2 hrs. Last 4 hrs FTP 150# on 32/64 choke w/ trace water and gas rate of 939 MCF/D. SI till Monday. Will hook up portable test separator

11/13/2005 CMIC: Nichols

SI will hook up portable test separator Monday

11/14/2005 CMIC: Nichols

Will start testing

11/15/2005 CMIC: Nichols

SITP 1600# Hooked up portable test separator and started testing. Test to follow.

11/16/2005 CMIC: Nichols

Well died after being on test 2 1/2 hrs. Will move in swab unit.

11/17/2005 CMIC: Nichols

SITP 10#, SICP 1100#. RU swab unit. IFL @ 1100', FFL @ 7700'. Rec'd 43 bbls fluid. Bled csg down to 400#, started making fluid. SI. Will check this AM. Turned well back through test separator.

11/18/2005 CMIC: Nichols

Well dead. RU swab. No fluid in hole. Csg press. 550#. Bled csg to pit in 10 mins. Press went to 0. RD swab unit. Si well Released all rental equipment.

11/19/2005 CMIC: davis

drove to loc, tp 10#, cp 550#, well open thru test separator, diff 0, static 8, well on 20/64 choke, opened up straight to pit, bled down to a very faint blow, scattered, made no fl on blow down, ru swab, no fl level standing in tbg, made 1 run (7600') swab to pit, rec 0 fl, well keeping consant 1 1/2 #, ru iron on csg, opened up to pit thru manifold, fled down to a L/B # in 15 min, made approx 3 bbls water on blow down, left well di, rd, cleaned wellhead & loc, drove rig to next loc

12/06/2005 CMIC: Nichols

SITP=2000. SICP 250. Bled tbg press to 0 in 1 1/2 hrs. Bled csg press to 0 in 10 mins. RU pulling unit and reverse unit. Load tbg w/ 30 bbls 6% KCL wtr. ND tree, NU BOP. Could not get BOP working properly. SDON. Will have BOP repaired this AM

12/07/2005 CMIC: Nichols

SITP=100#, SICP=50#. Bled well. Repaired BOP. Displaced well w/ 175 bbls 6% KCL Released pkr. POOH w/251 jts 2 3/8 tbg, on/off tool, and pkr. RIH w/ 4 3/4 bit on 251 jts tbg. SION

12/08/2005 CMIC: Nichols

SIP=0. Finish RIH and tagged @ 8036. Washed sand to top of pkr @ 8074. CHC POOH RIH w 16'X 1 1/2" jts, x-over, 4'X 2 3/8 pup jt on 80 jts tbg. SION

12/09/2005 CMIC: Nichols

SIP = 0. Cont RIH. Loss 3 hrs for rig repair ( Tbg Tongs). FIH and tagged pkr @ 8100. Cleaned out to 8114. Rec'd sand, rubber, and frac balls. CHC POOH to above top perf. SION

12/10/2005 CMIC: Nichols

SIP=0. Finish running in hole. Tagged at 8114. CHC. Recovered very little of anything. POOH. RIH w/ on/off tool, 260 jts 2 3/8 tbg, and latched onto pkr. RU swab and lowered FL to 7000'. RU Pro slick line truck. RIH and tried to latch onto equalizing prong, but could not get bite. POOH. Tubing started blowing like we had made plug start leaking. RIH w/ lead impression blk but did not get and indication on blk. Shut well in with 100# tbg. press. SD till Monday.

12/13/2005 CMIC: Nichols

SITP 1750#. Bled press to 0 in 3 1/2 hrs. Load tbg w/ 33 bbls 6% kcl wtr. Release seal assy. CHC w/ 120 bbls. Recovered lots of gas. POOH w/ 260 jts tbg, on/off tool, and seal assy. RIH w/ pkr retrieving tool. Attempted to latch on to pkr but could not because of sand. CH w/ 90 bbls wtr @ 3 b/m. Latched onto pkr. Pkr would move down but not up. Pushed pkr below bottom perf (8172-8180), and let press equilib. Pulled pkr above top perf (7873-7882). Pkr dragging hard. SION

12/14/2005 CMIC: Nichols

SIP=0. POOH w/ tbg, Baker Retrieval D pkr. RIH on tbg as follows:

1- 2 7/8 WIEG	0.44	Set @ 7829.62
Baker Model A-2 Big Bore Lokset	4.61	Set @ 7829.18
L-10 on/off tool w/ 1.875F	1.75	Set @ 7824.58
2 3/8 X 27/8 X-over	0.67	Set @ 7822.83
251 jts 2 3/8 L-80 tbg	7806.16	Set @ 7822.16
KB	16.00	

Set pkr w/ 14 pts compression. Load and test pkr to 1000#. ND BOP, NUWH

RU swab. IFL 2800', FFL @ 2000' Rec'd 4 bbls wtr. SION

12/15/2005 CMIC: Nichols

SITP= 925#. Bled press. RU swab. IFL @ 2000'. Kicked well off flowing in two swab runs. RU test separator. RD Pulling Unit and sent it to Hobbs for repairs. Unit will be out of service for 2/3 days. Turned well through test unit @ 1530 hrs w/300# FTP on 24/64 choke. At 0530 hrs Dec. 15th, well flowing on 18/64 choke, with 140# FTP, 50# BP on unit. Rec'd 30 bbls fluid, with GAS RATE of 284 MCFD. Cont testing.

12/16/2005 CMIC: Nichols

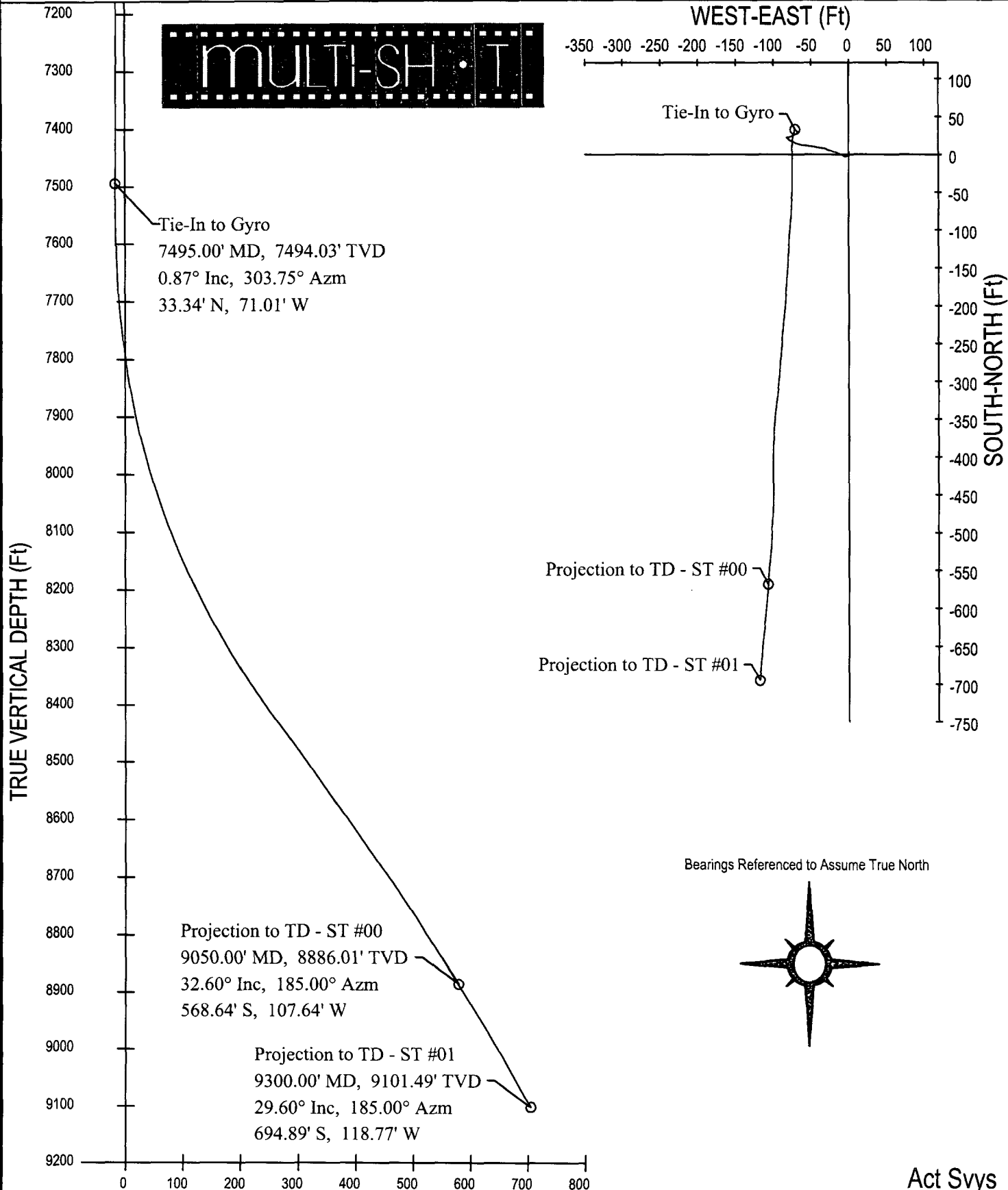
Con't testing. From 0530 hrs to 1230 hrs well flowed on 18/64 choke w/ 120# FTP, holding 50# back press. Rec'd 14 bbls wtr. w/ GAS RATE of 274 MCFD. Shut well in. TEMP DROPPED FROM REPORT.



Company: Oxy Permian  
Lease/Well: Lucky Dog Fed. #2  
Location: Eddy County  
Rig Name: Patterson #503

# OXY PERMIAN

State/Country: New Mexico  
Declination:  
Grid: Assumed to True North  
Date/Time: 09/07/05



Drawn By: CAC VERTICAL SECTION (Ft) @ 192.53° Azm

Act Svys  
A05244.dwg

Job Number: P05-244

State/Country: New Mexico

Company: Oxy Permian

Declination:

Lease/Well: Lucky Dog Fed. #2

Grid: Assumed to True North

Location: Eddy County

File name: F:\WELLPL-1\2005\P05240\S\P05244\05244.SVY

Rig Name: Patterson #503

Date/Time: 07-Sep-05 / 08:35

RKB:

Curve Name: Gyro

G.L. or M.S.L.:



WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 192.53  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
Distance FT	Direction Deg								
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.16	227.39	100.00	-.09	-.10	.11	.14	227.39	.16
200.00	.06	262.86	200.00	-.20	-.26	.25	.32	232.78	.12
300.00	.23	291.31	300.00	-.13	-.50	.23	.51	255.42	.18
400.00	.30	265.93	400.00	-.07	-.94	.28	.95	265.47	.13
500.00	.55	220.77	500.00	-.46	-1.52	.78	1.59	253.26	.40
600.00	.60	218.87	599.99	-1.23	-2.16	1.67	2.49	240.39	.05
700.00	.66	237.45	699.98	-1.95	-2.98	2.54	3.55	236.82	.21
800.00	.88	265.66	799.98	-2.31	-4.23	3.18	4.82	241.30	.43
900.00	1.08	291.91	899.96	-2.02	-5.87	3.24	6.20	251.00	.49
1000.00	1.28	304.87	999.94	-1.03	-7.66	2.67	7.73	262.34	.33
1100.00	1.23	290.14	1099.92	-.02	-9.58	2.10	9.58	269.87	.33
1200.00	1.12	291.80	1199.90	.71	-11.50	1.80	11.52	273.54	.12
1300.00	1.30	295.31	1299.87	1.56	-13.43	1.39	13.52	276.62	.19
1400.00	1.24	291.37	1399.85	2.44	-15.46	.97	15.65	278.96	.11
1500.00	1.33	288.08	1499.82	3.19	-17.57	.70	17.86	280.30	.12
1600.00	1.35	289.92	1599.80	3.95	-19.78	.43	20.18	281.30	.05
1700.00	1.24	291.85	1699.77	4.76	-21.90	.11	22.41	282.26	.12
1800.00	1.25	286.39	1799.75	5.47	-23.95	-.14	24.56	282.86	.12
1900.00	1.20	289.98	1899.72	6.13	-25.98	-.35	26.69	283.29	.09
2000.00	1.17	291.10	1999.70	6.86	-27.91	-.64	28.74	283.81	.04
2100.00	1.14	289.61	2099.68	7.56	-29.80	-.91	30.75	284.24	.04
2200.00	1.13	285.73	2199.66	8.16	-31.69	-1.09	32.72	284.44	.08
2300.00	1.12	278.96	2299.64	8.58	-33.60	-1.09	34.68	284.33	.13

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2400.00	1.22	275.95	2399.62	8.84	-35.63	-.90	36.71	283.94	.12
2500.00	1.27	278.83	2499.60	9.12	-37.78	-.71	38.87	283.58	.08
2600.00	1.21	275.62	2599.58	9.40	-39.93	-.51	41.02	283.25	.09
2700.00	1.23	279.78	2699.55	9.68	-42.04	-.33	43.14	282.97	.09
2800.00	1.18	280.47	2799.53	10.05	-44.11	-.24	45.24	282.84	.05
2900.00	1.27	277.56	2899.51	10.39	-46.22	-.11	47.37	282.67	.11
3000.00	1.27	277.59	2999.48	10.68	-48.41	.08	49.58	282.44	.00
3100.00	1.29	275.81	3099.46	10.94	-50.63	.31	51.80	282.19	.04
3200.00	1.31	279.18	3199.43	11.23	-52.88	.51	54.06	281.99	.08
3300.00	1.21	278.95	3299.41	11.58	-55.05	.64	56.26	281.88	.10
3400.00	1.05	278.81	3399.39	11.89	-57.00	.76	58.23	281.78	.16
3500.00	1.13	279.88	3499.37	12.20	-58.88	.87	60.13	281.70	.08
3600.00	1.12	278.76	3599.35	12.51	-60.82	.98	62.09	281.63	.02
3700.00	1.16	283.16	3699.33	12.89	-62.77	1.03	64.08	281.61	.10
3800.00	1.15	289.20	3799.31	13.45	-64.70	.90	66.08	281.75	.12
3900.00	1.17	290.09	3899.29	14.13	-66.61	.65	68.09	281.98	.03
4000.00	1.12	290.46	3999.27	14.83	-68.48	.38	70.07	282.22	.05
4100.00	1.02	292.38	4099.25	15.51	-70.22	.10	71.91	282.45	.11
4200.00	1.00	301.39	4199.24	16.30	-71.79	-.34	73.62	282.79	.16
4300.00	1.03	290.80	4299.22	17.07	-73.37	-.75	75.33	283.10	.19
4400.00	.91	290.80	4399.21	17.68	-74.96	-.99	77.01	283.27	.12
4500.00	.84	295.86	4499.20	18.28	-76.36	-1.28	78.51	283.46	.10
4600.00	.91	304.78	4599.19	19.05	-77.67	-1.75	79.97	283.78	.15
4700.00	.76	301.05	4699.18	19.84	-78.89	-2.26	81.35	284.12	.16
4800.00	.43	296.84	4799.17	20.36	-79.79	-2.56	82.35	284.31	.33
4900.00	.52	309.27	4899.17	20.81	-80.48	-2.86	83.13	284.50	.14
5000.00	.38	314.96	4999.16	21.33	-81.06	-3.24	83.83	284.74	.15
5100.00	.36	296.25	5099.16	21.71	-81.58	-3.49	84.42	284.90	.12
5200.00	.31	346.32	5199.16	22.11	-81.93	-3.81	84.86	285.10	.29
5300.00	.15	53.58	5299.16	22.45	-81.89	-4.15	84.91	285.33	.29
5400.00	.47	79.83	5399.16	22.60	-81.38	-4.41	84.46	285.52	.34
5500.00	.77	77.87	5499.15	22.81	-80.32	-4.85	83.49	285.86	.30
5600.00	.95	77.52	5599.14	23.13	-78.85	-5.48	82.17	286.35	.18
5700.00	.95	71.61	5699.13	23.57	-77.25	-6.25	80.77	286.97	.10
5800.00	.92	66.58	5799.11	24.16	-75.73	-7.15	79.49	287.69	.09
5900.00	.83	64.73	5899.10	24.78	-74.34	-8.07	78.36	288.44	.09
6000.00	.75	63.71	5999.09	25.38	-73.10	-8.92	77.38	289.15	.08
6100.00	.65	64.77	6099.08	25.91	-72.00	-9.68	76.52	289.80	.10
6200.00	.61	57.94	6199.08	26.44	-71.03	-10.40	75.79	290.42	.09
6300.00	.51	54.52	6299.07	26.98	-70.22	-11.10	75.22	291.02	.11
6400.00	.45	63.12	6399.07	27.42	-69.51	-11.68	74.72	291.53	.09
6500.00	.42	61.11	6499.07	27.77	-68.84	-12.17	74.23	291.97	.03

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6600.00	.34	53.86	6599.06	28.12	-68.27	-12.64	73.84	292.39	.09
6700.00	.20	36.09	6699.06	28.44	-67.93	-13.02	73.64	292.72	.16
6800.00	.29	8.67	6799.06	28.83	-67.79	-13.44	73.67	293.04	.15
6900.00	.35	10.61	6899.06	29.38	-67.70	-13.99	73.80	293.46	.06
7000.00	.46	348.42	6999.06	30.07	-67.72	-14.66	74.10	293.94	.19
7100.00	.37	332.51	7099.06	30.75	-67.95	-15.28	74.59	294.35	.15
7200.00	.44	311.84	7199.05	31.30	-68.39	-15.71	75.21	294.59	.16
7300.00	.48	303.91	7299.05	31.79	-69.02	-16.05	75.99	294.73	.08
7400.00	.81	309.85	7399.04	32.47	-69.91	-16.53	77.08	294.91	.34
Final Survey									
7495.00	.87	303.75	7494.03	33.30	-71.03	-17.10	78.45	295.12	.11

Job Number: P05-244  
 Company: Oxy Permian  
 Lease/Well: Lucky Dog Fed. #2  
 Location: Eddy County  
 Rig Name: Patterson #503  
 RKB:  
 G.L. or M.S.L.:

State/Country: New Mexico  
 Declination:  
 Grid: Assumed to True North  
 File name: F:\WELLPL-1\2005\PO5240\S\PO5244\05244.SVY  
 Date/Time: 07-Sep-05 / 08:35  
 Curve Name: SDTRK #01



WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 192.53  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
<b>Tie-In to Gyro</b>									
7495.00	.87	303.75	7494.03	33.34	-71.01	-17.14	78.45	295.15	.00
7522.00	.70	282.80	7521.03	33.49	-71.34	-17.22	78.81	295.15	1.23
7553.00	.70	207.50	7552.03	33.36	-71.61	-17.03	79.00	294.98	2.76
7585.00	1.40	190.70	7584.02	32.81	-71.78	-16.45	78.92	294.56	2.37
7617.00	2.00	191.80	7616.01	31.88	-71.96	-15.50	78.71	293.89	1.88
7649.00	2.60	192.80	7647.98	30.62	-72.24	-14.22	78.46	292.97	1.88
7680.00	3.90	194.10	7678.93	28.91	-72.65	-12.46	78.19	291.70	4.20
7712.00	5.10	192.60	7710.83	26.47	-73.23	-9.95	77.86	289.87	3.77
7744.00	6.50	189.50	7742.67	23.30	-73.84	-6.72	77.42	287.51	4.48
7776.00	7.40	185.70	7774.43	19.46	-74.34	-2.87	76.84	284.67	3.16
7807.00	8.40	183.00	7805.14	15.21	-74.66	1.35	76.19	281.52	3.44
7838.00	9.70	181.80	7835.75	10.34	-74.86	6.15	75.57	277.86	4.24
7870.00	10.90	180.90	7867.23	4.62	-74.99	11.76	75.13	273.52	3.78
7902.00	12.40	180.00	7898.57	-1.84	-75.04	18.08	75.06	268.59	4.72
7934.00	13.90	179.40	7929.73	-9.12	-75.00	25.18	75.55	263.07	4.71
7967.00	15.50	180.30	7961.65	-17.50	-74.98	33.35	76.99	256.87	4.90
7998.00	16.90	180.10	7991.42	-26.14	-75.01	41.79	79.43	250.78	4.52
8029.00	18.40	179.90	8020.96	-35.54	-75.01	50.97	83.00	244.65	4.84
8060.00	19.50	181.10	8050.28	-45.61	-75.10	60.81	87.86	238.73	3.76
8092.00	20.50	182.30	8080.35	-56.55	-75.42	71.56	94.27	233.14	3.38
8124.00	22.00	183.10	8110.17	-68.13	-75.97	82.99	102.05	228.11	4.77

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
8156.00	23.50	184.40	8139.68	-80.48	-76.79	95.22	111.23	223.66	4.94
8189.00	25.10	184.50	8169.76	-94.02	-77.84	108.67	122.06	219.62	4.85
8219.00	26.30	184.30	8196.79	-106.99	-78.84	121.54	132.90	216.39	4.01
8250.00	27.70	183.20	8224.41	-121.03	-79.76	135.45	144.95	213.38	4.79
8282.00	28.80	183.00	8252.60	-136.16	-80.57	150.39	158.21	210.62	3.45
8314.00	30.20	183.50	8280.45	-151.89	-81.47	165.94	172.36	208.21	4.44
8345.00	31.60	183.80	8307.05	-167.77	-82.48	181.67	186.95	206.18	4.54
8377.00	32.80	184.20	8334.13	-184.78	-83.67	198.54	202.85	204.36	3.81
8409.00	33.80	184.80	8360.87	-202.30	-85.05	215.93	219.45	202.80	3.29
8440.00	34.80	185.30	8386.48	-219.70	-86.59	233.25	236.15	201.51	3.35
8472.00	36.00	184.80	8412.56	-238.16	-88.22	251.63	253.98	200.33	3.86
8503.00	36.80	184.20	8437.52	-256.50	-89.67	269.85	271.72	199.27	2.82
8535.00	36.40	183.80	8463.21	-275.54	-91.00	288.71	290.17	198.28	1.46
8566.00	36.10	184.30	8488.21	-293.82	-92.29	306.84	307.97	197.44	1.36
8598.00	35.30	186.50	8514.19	-312.41	-94.04	325.37	326.26	196.75	4.73
8630.00	35.80	187.00	8540.23	-330.88	-96.23	343.88	344.59	196.22	1.81
8659.00	36.40	185.70	8563.66	-347.87	-98.12	360.87	361.44	195.75	3.36
8691.00	36.00	182.90	8589.49	-366.71	-99.54	379.57	379.98	195.19	5.32
8723.00	34.90	181.90	8615.55	-385.25	-100.32	397.84	398.10	194.60	3.89
8754.00	35.40	180.70	8640.90	-403.09	-100.72	415.34	415.48	194.03	2.75
8786.00	36.00	179.70	8666.89	-421.76	-100.79	433.58	433.64	193.44	2.62
8817.00	36.10	179.50	8691.95	-440.01	-100.66	451.36	451.37	192.89	.50
8849.00	35.60	181.40	8717.89	-458.75	-100.80	469.69	469.69	192.39	3.81
8881.00	33.70	182.50	8744.21	-476.93	-101.42	487.57	487.59	192.01	6.25
8912.00	33.40	182.70	8770.05	-494.04	-102.20	504.45	504.50	191.69	1.03
8944.00	33.00	183.40	8796.83	-511.54	-103.13	521.73	521.83	191.40	1.73
8976.00	32.80	184.10	8823.69	-528.88	-104.26	538.91	539.06	191.15	1.34
9008.00	32.00	184.80	8850.71	-545.98	-105.59	555.88	556.10	190.95	2.76
9040.00	31.80	184.70	8877.88	-562.83	-106.99	572.64	572.91	190.76	.65
9071.00	31.70	184.10	8904.24	-579.09	-108.24	588.79	589.12	190.59	1.07
9135.00	31.60	186.00	8958.72	-612.54	-111.20	622.08	622.55	190.29	1.57
9167.00	30.80	185.10	8986.09	-629.04	-112.80	638.53	639.08	190.17	2.89
9198.00	29.90	185.70	9012.85	-644.64	-114.28	654.07	654.69	190.05	3.06
9230.00	29.60	185.00	9040.63	-660.44	-115.76	669.83	670.51	189.94	1.43
Projection to TD - ST #01									
9300.00	29.60	185.00	9101.49	-694.89	-118.77	704.11	704.97	189.70	.00

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature _____ <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>United States Dept of Interior Bureau of Land Management 520 E. Greene Street Carlsbad, NM 88220-6292</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number _____</p> <p>(Transfer from service label) <b>7005 0390 0002 9911 3775</b></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature _____ <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>New Mexico Oil Conservation Division 1301 W. Grand Ave. Artesia, NM 88210</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number _____</p> <p>(Transfer from service label) <b>7005 0390 0002 9895 3433</b></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature _____ <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>New Mexico Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number _____</p> <p>(Transfer from service label) <b>7005 0390 0002 9895 3440</b></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	



## 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:

Abo Petroleum, Corporation  
105 S. 4<sup>th</sup> Street  
Artesia, NM

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3457

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Andrews Oil, LP  
2219 Westlake Dr.  
Austin, TX 78746

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3464

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Chi Energy, Inc.  
P.O. Box 1799  
Midland, TX 79702

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3471

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Corkran Energy, LP  
2219 Westlake Dr.  
Austin, TX 78746

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3488

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

McCombs Energy, LLC  
5599 San Felipe, Ste. 1200  
Houston, TX 77056-2794

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3495

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Myco Industries, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3501

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Read & Stevens, Inc.  
P.O. Box 1518  
Roswell, NM 88202

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3518

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Southwestern Energy Production  
2350 N. Sam Houston Parkway  
Houston, TX 77032

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3525

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

## 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:

Yates Drilling Company  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3532

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

**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:

Yates Petroleum Corporation  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210

2. Article Number  
(Transfer from service label)

7005 0390 0002 9895 3549

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Monday, November 06, 2006 10:24 AM  
**To:** 'david\_stewart@oxy.com'  
**Subject:** NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Dear Mr. Stewart

I have reviewed the referenced application.

The application does not contain sufficient information to demonstrate compliance with all applicable notice requirements. While the parties notified are listed, their ownership in relation to the proposed location, except in the case of Yates Petroleum Corporation, is not identified.

Please specifically confirm that the parties identified in the notice certificate attached to your application include all of the owners of working interests in the N/2 of Section 33-16S-27E in the Strawn and Upper Penn formation. Notice to all such working interest owners is required since Yates is designate operator only for the Morrow.

Thanks in advance for your attention.

Very truly yours,

David K. Brooks  
Assistant General Counsel  
505-476-3450

11/6/2006

**Brooks, David K., EMNRD**

---

**From:** David\_Evans@oxy.com  
**Sent:** Monday, November 13, 2006 1:48 PM  
**To:** David\_Stewart@oxy.com; Brooks, David K., EMNRD  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2  
**Importance:** High

Mr. Brooks, this e-mail is written to confirm the ownership is common as to all depths under the Yates wells. All parties owning a working interest have been noticed. David Evans OXY USA WTP Limited Partnership (432-685-5769)

---

**From:** Stewart, David  
**Sent:** Tuesday, November 07, 2006 3:25 PM  
**To:** Evans, David (Midland, Texas)  
**Cc:** Brooks, David K., EMNRD  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

David, can you verify/certify that the working interest owners in the Yates wells located in the N/2 of Sec 33-16S-27E that are currently completed in the Morrow also are the same in the Strawn and Upper Penn. Thanks, David S.

---

**From:** Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]  
**Sent:** Tuesday, 11 07, 2006 15:12  
**To:** Stewart, David  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Dear Mr. Stewart

The spreadsheets attached to your reply are helpful, but do not necessarily resolve the issue. These sheets state the working interests in Yates' wells. However, these wells are completed only in the Morrow, and your NSL application relates to the Strawn and the Upper Penn. There is always the possibility of a depth severance. Consequently we need you to certify to us that the named parties are all parties owning working interests of record (or known to OXY) in the N/s of Section 33 as to the Strawn and Upper Penn.

Thanks

David Brooks  
Assistant General Counsel  
505-476-3450

---

**From:** David\_Stewart@oxy.com [mailto:David\_Stewart@oxy.com]  
**Sent:** Monday, November 06, 2006 10:47 AM  
**To:** Brooks, David K., EMNRD  
**Subject:** RE: NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Please see attached for the spreadsheets I received from our landman on the ownership of the wells located in the N/2 of Sec 33-16S-27E. If you need any additional information, please let me know and I will get with our land department and see what they can provide. I appreciate your help in this manner.

11/14/2006

Thanks,  
David Stewart  
Sr. Regulatory Analyst  
OXY Permian  
432-685-5717  
Fax-432-685-5742

---

**From:** Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]  
**Sent:** Monday, 11 06, 2006 11:24  
**To:** Stewart, David  
**Subject:** NSL Application pDRC06-28948605; Lucky Dog Fed Com #2

Dear Mr. Stewart

I have reviewed the referenced application.

The application does not contain sufficient information to demonstrate compliance with all applicable notice requirements. While the parties notified are listed, their ownership in relation to the proposed location, except in the case of Yates Petroleum Corporation, is not identified.

Please specifically confirm that the parties identified in the notice certificate attached to your application include all of the owners of working interests in the N/2 of Section 33-16S-27E in the Strawn and Upper Penn formation. Notice to all such working interest owners is required since Yates is designate operator only for the Morrow.

Thanks in advance for your attention.

Very truly yours,

David K. Brooks  
Assistant General Counsel  
505-476-3450

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

11/14/2006