

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other										5. Lease Serial No. NM-0559532
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr., Other										6. If Indian, Allottee or Tribe Name
2. Name of Operator OXY USA WTP Limited Partnership										7. Unit or CA Agreement Name and No.
3. Address P.O. Box 50250 Midland, TX 79710										8. Lease Name and Well No. OXY Lucky Dog Federal #2
3a. Phone No. (include area code) 432-685-5717										9. API Well No. 30-015-34024
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2330 FSL 660 FEL NESE (I) At top prod. interval reported below 2334 FNL 735 FEL NESE(I) At total depth 1635 FSL 779 FEL NESE(I)										10. Field and Pool, or Exploratory WC Up.Penn-Crow Flats Strwn W.
14. Date Spudded 7/13/05										11. Sec., T., R., M., or Block and Survey or Area Sec 33 T16S R27E
15. Date T.D. Reached 8/17/08										12. County or Parish Eddy
16. Date Completed ☐ D & A ☒ Ready to Prod. 2/7/08										13. State NM
18. Total Depth: MD 9300' TVD 9102'										17. Elevations (DF, RKB, RT, GL)* 3395'
19. Plug Back T.D.: MD 8765' TVD 8650'										
20. Depth Bridge Plug Set: MD 8800' TVD 8685'										
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CZDL/DSL/DLL/MLL/CNL/GR										22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)
23. Casing and Liner Record (Report all strings set in well)										
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Skc & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled	
17-1/2"	13-3/8"	48	0	427'	---	460	732	Surface	N/A	
12-1/4"	9-5/8"	36	0	1105'	---	390	792	Surface	N/A	
8-3/4"	5-1/2"	17	0	9300'	---	1000	1672	4480'-CBL	N/A	
24. Tubing Record										
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)		
2-3/8"	7830'	7829'								
25. Producing Intervals										26. Perforation Record
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status				
A) Morrow	8855'	8912'	8855-8912'	.40	42	plugged				
B) Strawn	8172'	8180'	8172-8180'	.40	18	open				
C) Penn	7873'	7882'	7873-7882'	.40	20	open				
D)										
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.										
Depth Interval	Amount and Type of Material									
8855-8912'	4000g 7-1/2% HCl acid + 50Q CO2									
8172-8180'	2000g 7-1/2% HCl Acid, 58350g 40# WFCMHPG + 70% CO2 w/ 50000# versaprop									
7873-7882'	2000g 7-1/2% HCl Acid, 17388g 40# WFCMHPG + 70% CO2 w/ 50000# versaprop									
28. Production - Interval A										
Date First Produced 2/6/08	Test Date 2/11/08	Hours Tested 24	Test Production →	Oil BBL 0	Gas MCF 81	Water BBL 0	Oil Gravity	Gas Gravity	Production Method flowing	
Choke Size open	Tbg. Press. Flwg. SI 47	Csg Press.	24 Hr →	Oil BBL 0	Gas MCF 81	Water BBL 0	Gas: Oil Ratio	Well Status producing		
28a. Production-Interval B										
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg Press.	24 Hr →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Wolfcamp	5974'
				Penn	7664'
				Strawn	8130'
				Atoka	8554'
				Morrow	8774'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) David StewartTitle Sr. Regulatory AnalystSignature Date 4/16/08

I & E CFO
UNITED STATES

APR 18 2008
OCD-ARTESIA

Number 08-KC-W38

Page 1 of 1

☒ Certified Mail - Return
Receipt Requested
70073020000206491883

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

NOTICE OF WRITTEN ORDER

IDENTIFICATION	
IID	
Lease	NMNM0559532
CA	
Unit	
PA	

Bureau of Land Management Office CARLSBAD FIELD OFFICE				Operator OXY USA WTP LIMITED PTNRSHIP			
Address 620 E GREENE STREET CARLSBAD NM 88220				Address P O BOX 50250 MIDLAND TX 79710-0250			
Telephone 575-234-5906				Attention			
Inspector CAFFALL				Attn Addr			
Site Name OXY LUCKY DOG FEDERAL	Well or Facility 2	1/4 1/4 Section NESE 33	Township 16S	Range 27E	Meridian NMP	County EDDY	State NM
Site Name	Well or Facility	1/4 1/4 Section	Township	Range	Meridian	County	State
Site Name	Well or Facility	1/4 1/4 Section	Township	Range	Meridian	County	State

The following condition(s) were found by Bureau of Land Management Inspectors on the date and at the site(s) listed above

Date	Time (24-hour clock)	Corrective Action to be Completed by	Date Corrected	Authority Reference
03/10/2008	16:25	04/29/2008		43 CFR 3162 1(a)

Remarks

No well completion report is on file for this well.

Submit a well completion report on the referenced well by the abatement date.

When the Written Order is complied with, sign this notice and return to above address.

Company Representative Title SE. Reg. Analyst Signature [Signature] Date 4/16/08
Company Comments See Attached.

Warning

The Authorized Officer has authority to issue a Written Order in accordance with 43 CFR 3161.2. Written Order correction and reporting time frames begin upon receipt of this Notice or 7 business days after the date it is mailed, whichever is earlier. Each stipulation must be corrected within the prescribed time from receipt of this Notice and reported to the Bureau of Land Management Office at the address shown above. If you do not comply as noted above under "Corrective Action to be Completed By", you shall be issued an Incident of Noncompliance (INC) in accordance with 43 CFR 3163 1(a). Failure to comply with the INC may result in assessments as outlined in 43 CFR 3163.1 and may also incur civil penalties (43 CFR 3163 2). All self-certified corrections must be postmarked no later than the next business day after the prescribed time frame for correction.

Section 109(d)(1) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3163 2(f)(1), provides that any person who "knowingly or willfully" prepares, maintains, or submits false, inaccurate, or misleading reports, notices, affidavits, records, data, or other written information required by this part shall be liable for a civil penalty of up to \$25,000 per violation for each day such violation continues, not to exceed a maximum of 20 days.

Review and Appeal Rights

A person contesting a decision shall request a State Director review of the Written Order. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165 3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165 4). Contact the above listed Bureau of Land Management office for further information.

Signature of Bureau of Land Management Authorized Officer <u>[Signature]</u>		Date <u>3/10/08</u>	Time <u>16:30</u>
FOR OFFICE USE ONLY			
Number 51	Date	Type of Inspection RR	Accepted for record NMOC



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Administrative Order DHC-3814

Oxy USA WTP Limited Partnership
P.O. Box 50250
Midland, TX 79710

APR 18 2008

OCD-ARTESIA

Attention: David Stewart

Oxy Lucky Dog Federal Com Well No. 2
API No. 30-015-34024
Unit I, Section 33, Township 16 South, Range 27 East, NMPM,
Eddy County, New Mexico
Undesignated West Crow Flats; Strawn Gas (97476), and
Wildcat; Upper Penn Gas Pools

Dear Mr. Stewart:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division 303C.(1)(f), the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable to the well and allocation of production from the well shall be as follows.

Wildcat Upper Penn Gas Pool	Oil-30%	Gas-30%
West Crow Flats; Strawn Gas Pool	Oil-70%	Gas-70%

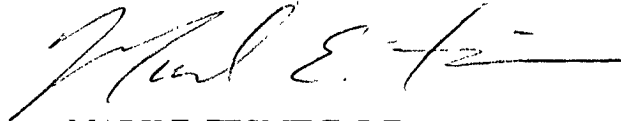
These percentages shall be amended only with written permission of the Division.

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on October 24, 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read "Mark E. Fesmire", with a long horizontal stroke extending to the right.

MARK E. FESMIRE, P.E.
Director

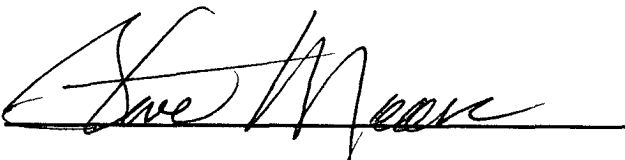
cc: Oil Conservation Division – Artesia
Bureau of Land Management - Carlsbad

OPERATOR OXY USA WTP, LP
WELL/LEASE OXY Lucky Dog Fed #2
COUNTY Eddy, NM

503-0263

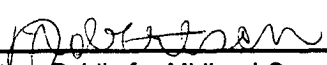
STATE OF NEW MEXICO
DEVIATION REPORT

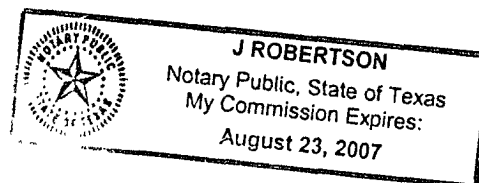
145	0.50
385	0.75
685	0.75
890	1.50
1,105	0.75
1,401	1.50
1,681	1.25
2,029	1.00
2,499	1.50
2,849	1.00
3,190	2.00
3,385	1.25
3,734	1.25
4,040	0.75
4,589	0.75
4,990	1.00
5,532	1.00
5,774	1.00
6,228	0.75
6,705	0.50
7,241	0.25
7,966	15.50
8,029	18.40
8,092	20.50
8,124	22.00
8,155	23.50
8,189	25.10
8,219	26.30
8,310	26.30
8,341	27.70
8,373	29.80
8,445	31.60
8,782	35.00

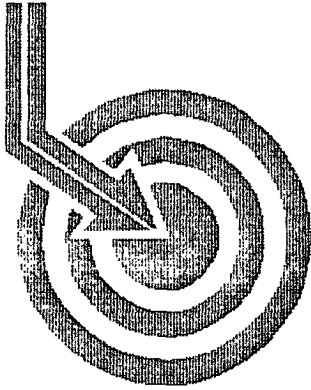
BY: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on August 26, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 8/23/07





Scientific Drilling

OCCIDENTAL PERMIAN LTD.

Field: Crow Flats
Site: Eddy County, NM
Well: Lucky Dog Fed #2
Wellpath: VH - Job #32K0805561
Survey: 08/02/05

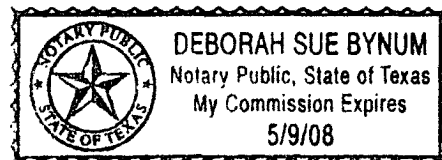
This survey is correct to the best of my knowledge
and is supported by actual field data.

Scott Neely.....Company Representative

Notorized this date 15th of September, 2005.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 9/14/2005	Time: 22:39:30	Page: 1
Field: Crow Flats	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Lucky Dog Fed #2	Section (VS) Reference:	Well (0.00N,0.00E,192.53Azi)	
Wellpath: VH - Job #32K0805561	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 08/02/05 KSRG 0'-7495'	Start Date: 8/2/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales/Page/Webb
Tool: Keeper;Keeper Surface Readout	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.16	227.39	100.00	0.11	-0.09	-0.10	0.16	0.14	227.39
200.00	0.06	262.86	200.00	0.25	-0.20	-0.26	0.12	0.32	232.78
300.00	0.23	291.31	300.00	0.23	-0.13	-0.50	0.18	0.51	255.42
400.00	0.30	265.93	400.00	0.28	-0.07	-0.94	0.13	0.95	265.47
500.00	0.55	220.77	500.00	0.78	-0.46	-1.52	0.40	1.59	253.26
600.00	0.60	218.87	599.99	1.67	-1.23	-2.16	0.05	2.49	240.39
700.00	0.66	237.43	699.98	2.54	-1.95	-2.98	0.21	3.55	236.82
800.00	0.88	265.66	799.98	3.18	-2.31	-4.23	0.43	4.82	241.30
900.00	1.08	291.91	899.96	3.24	-2.02	-5.87	0.49	6.20	251.00
1000.00	1.28	304.87	999.94	2.67	-1.03	-7.66	0.33	7.73	262.34
1100.00	1.23	290.14	1099.92	2.10	-0.02	-9.58	0.33	9.58	269.87
1200.00	1.12	291.80	1199.90	1.80	0.71	-11.50	0.12	11.52	273.54
1300.00	1.30	295.31	1299.87	1.39	1.56	-13.43	0.19	13.52	276.62
1400.00	1.24	291.37	1399.85	0.97	2.44	-15.46	0.11	15.65	278.96
1500.00	1.33	288.08	1499.82	0.70	3.19	-17.57	0.12	17.86	280.30
1600.00	1.35	289.92	1599.80	0.43	3.95	-19.78	0.05	20.17	281.30
1700.00	1.24	291.85	1699.77	0.11	4.76	-21.90	0.12	22.41	282.26
1800.00	1.25	286.39	1799.75	-0.14	5.47	-23.95	0.12	24.56	282.86
1900.00	1.20	289.98	1899.72	-0.35	6.13	-25.98	0.09	26.69	283.29
2000.00	1.17	291.10	1999.70	-0.64	6.86	-27.91	0.04	28.74	283.81
2100.00	1.14	289.61	2099.68	-0.91	7.56	-29.80	0.04	30.75	284.23
2200.00	1.13	285.73	2199.66	-1.09	8.16	-31.69	0.08	32.72	284.44
2300.00	1.12	278.96	2299.64	-1.09	8.58	-33.60	0.13	34.68	284.33
2400.00	1.22	275.95	2399.62	-0.90	8.84	-35.63	0.12	36.71	283.94
2500.00	1.27	278.83	2499.60	-0.71	9.12	-37.78	0.08	38.87	283.58
2600.00	1.21	275.62	2599.58	-0.51	9.40	-39.93	0.09	41.02	283.24
2700.00	1.23	279.76	2699.55	-0.33	9.68	-42.04	0.09	43.14	282.97
2800.00	1.18	280.47	2799.53	-0.24	10.05	-44.11	0.05	45.24	282.84
2900.00	1.27	277.56	2899.51	-0.11	10.39	-46.22	0.11	47.37	282.66
3000.00	1.27	277.59	2999.48	0.08	10.68	-48.41	0.00	49.58	282.44
3100.00	1.29	275.81	3099.46	0.31	10.94	-50.63	0.04	51.80	282.19
3200.00	1.31	279.18	3199.43	0.51	11.23	-52.88	0.08	54.06	281.99
3300.00	1.21	278.95	3299.41	0.64	11.58	-55.05	0.10	56.26	281.88
3400.00	1.05	278.81	3399.39	0.76	11.89	-57.00	0.16	58.23	281.78
3500.00	1.13	279.88	3499.37	0.87	12.19	-58.88	0.08	60.13	281.70
3600.00	1.12	278.76	3599.35	0.98	12.51	-60.82	0.02	62.09	281.63
3700.00	1.16	283.16	3699.33	1.03	12.89	-62.77	0.10	64.08	281.61
3800.00	1.15	289.20	3799.31	0.90	13.45	-64.70	0.12	66.08	281.75
3900.00	1.17	290.09	3899.29	0.65	14.13	-66.61	0.03	68.09	281.98
4000.00	1.12	290.46	3999.27	0.38	14.83	-68.48	0.05	70.07	282.22
4100.00	1.02	292.35	4099.25	0.10	15.51	-70.22	0.11	71.91	282.45
4200.00	1.00	301.39	4199.24	-0.34	16.30	-71.79	0.16	73.62	282.79
4300.00	1.03	290.80	4299.22	-0.75	17.07	-73.37	0.19	75.33	283.10
4400.00	0.91	292.44	4399.21	-1.01	17.69	-74.95	0.12	77.01	283.28
4500.00	0.84	295.86	4499.20	-1.32	18.32	-76.34	0.09	78.51	283.49
4600.00	0.91	304.78	4599.19	-1.79	19.09	-77.65	0.15	79.96	283.81
4700.00	0.76	301.05	4699.18	-2.30	19.89	-78.87	0.16	81.34	284.15
4800.00	0.43	296.84	4799.17	-2.60	20.40	-79.78	0.33	82.34	284.34



Scientific Drilling International

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
 Field: Crow Flats
 Site: Eddy County, NM
 Well: Lucky Dog Fed #2
 Wellpath: VH - Job #32K0805561

Date: 9/14/2005 Time: 22:39:30 Page: 2
 Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,192.53Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

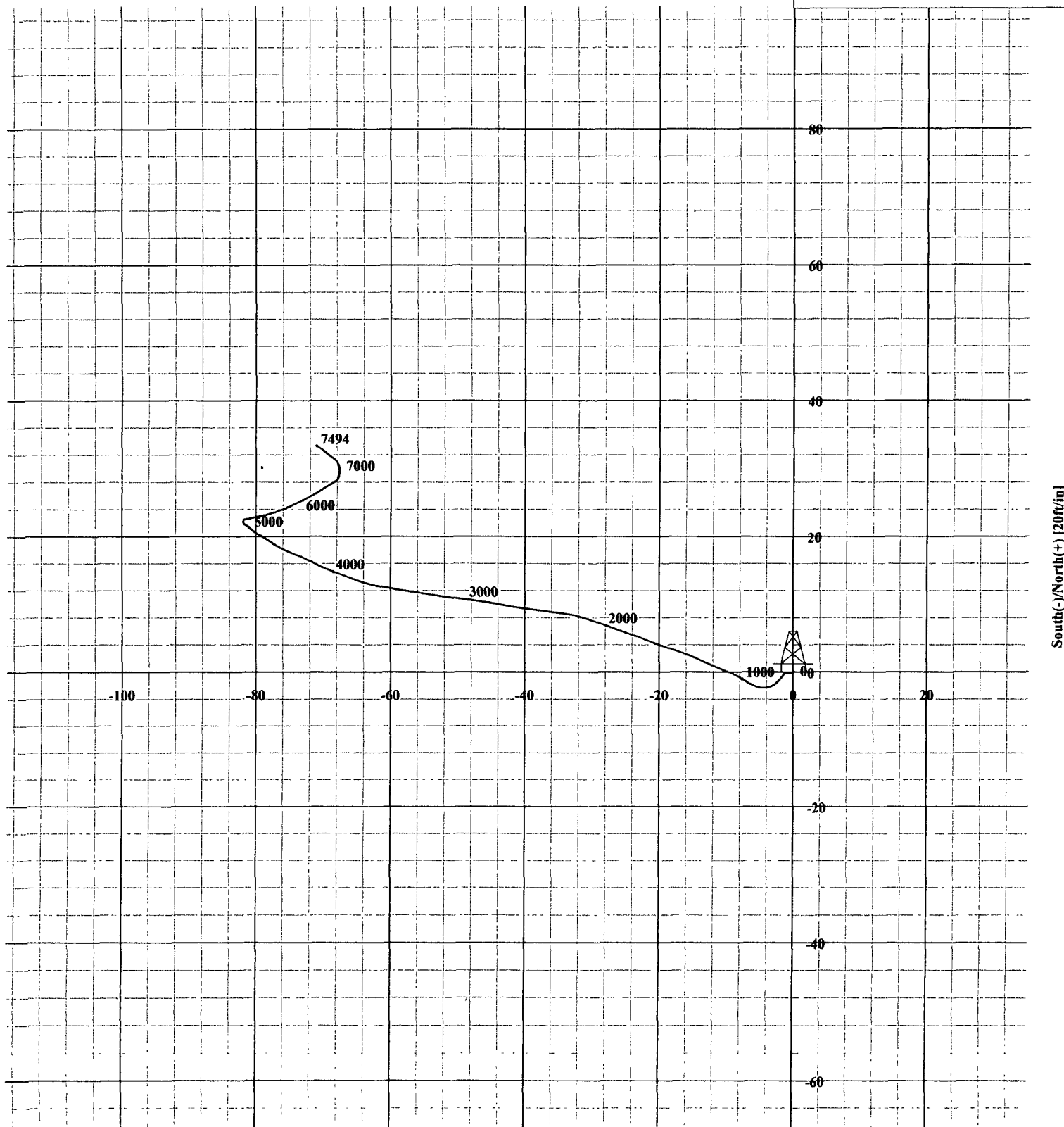
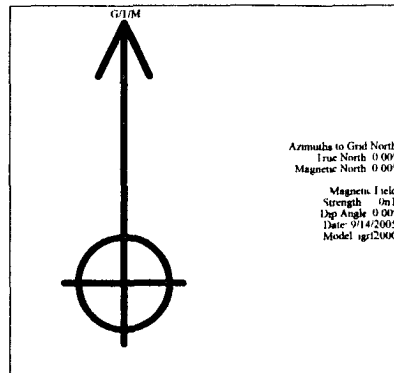
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.52	309.27	4899.17	-2.90	20.85	-80.46	0.14	83.12	284.53
5000.00	0.38	314.96	4999.16	-3.28	21.37	-81.05	0.15	83.82	284.77
5100.00	0.36	296.25	5099.16	-3.53	21.75	-81.56	0.12	84.41	284.93
5200.00	0.31	346.32	5199.16	-3.85	22.15	-81.91	0.29	84.85	285.13
5300.00	0.15	53.58	5299.16	-4.19	22.49	-81.87	0.29	84.90	285.36
5400.00	0.47	79.83	5399.16	-4.45	22.64	-81.36	0.34	84.45	285.55
5500.00	0.77	77.87	5499.15	-4.89	22.85	-80.30	0.30	83.49	285.89
5600.00	0.95	77.52	5599.14	-5.52	23.17	-78.83	0.18	82.17	286.38
5700.00	0.95	71.61	5699.13	-6.30	23.62	-77.24	0.10	80.77	287.00
5800.00	0.92	66.58	5799.11	-7.19	24.20	-75.71	0.09	79.49	287.72
5900.00	0.83	64.73	5899.10	-8.11	24.82	-74.32	0.09	78.36	288.47
6000.00	0.75	63.71	5999.09	-8.96	25.42	-73.08	0.08	77.38	289.18
6100.00	0.65	64.77	6099.08	-9.72	25.95	-71.98	0.10	76.52	289.83
6200.00	0.61	57.94	6199.08	-10.44	26.48	-71.02	0.09	75.79	290.45
6300.00	0.51	54.52	6299.07	-11.15	27.02	-70.20	0.11	75.22	291.05
6400.00	0.45	63.12	6399.07	-11.73	27.46	-69.49	0.09	74.72	291.56
6500.00	0.42	61.11	6499.07	-12.22	27.81	-68.82	0.03	74.23	292.00
6600.00	0.34	53.86	6599.06	-12.68	28.16	-68.26	0.09	73.84	292.42
6700.00	0.20	36.09	6699.06	-13.07	28.48	-67.92	0.16	73.65	292.75
6800.00	0.29	8.67	6799.06	-13.48	28.87	-67.77	0.15	73.67	293.07
6900.00	0.35	10.61	6899.06	-14.04	29.42	-67.68	0.06	73.80	293.49
7000.00	0.46	348.42	6999.06	-14.71	30.11	-67.70	0.19	74.10	293.98
7100.00	0.37	332.51	7099.06	-15.32	30.79	-67.93	0.15	74.59	294.38
7200.00	0.44	311.84	7199.05	-15.76	31.34	-68.37	0.16	75.21	294.62
7300.00	0.48	303.91	7299.05	-16.10	31.83	-69.00	0.08	75.99	294.76
7400.00	0.81	309.85	7399.04	-16.57	32.51	-69.89	0.34	77.09	294.95
7495.00	0.87	303.75	7494.03	-17.14	33.34	-71.01	0.11	78.45	295.15



Scientific
Drilling

Field: Crow Flats
Site: Eddy County, NM
Well: Lucky Dog Fed #2
Wellpath: VH - Job #32K0805561
Survey: 08/02/05



West(-)/East(+) [20ft/in]

South(-)/North(+) [20ft/in]



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 / 08:34
 Curve Name: SDTRK #00

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

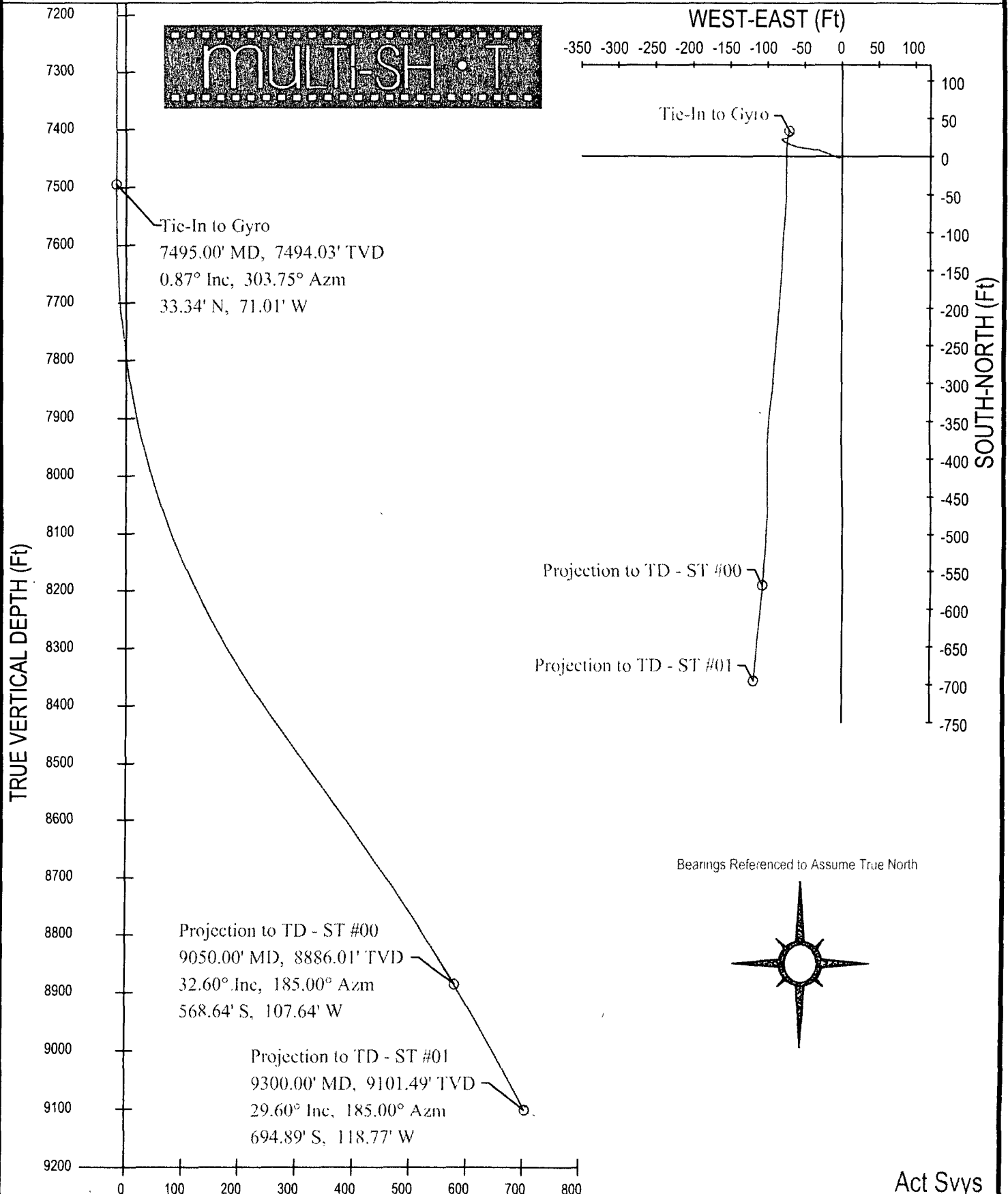
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
Distance FT	Direction Deg								
Tie-In to Gyro									
7495.00	.87	303.75	7494.03	33.34	-71.01	-17.14	78.45	295.15	.00
7522.00	.70	282.80	7521.03	33.49	-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
9000.00	32.60	185.00	8843.89	-541.81	-105.29	551.75	551.94	191.00	2.19
Projection to TD - ST #00									
9050.00	32.60	185.00	8886.01	-568.64	-107.64	578.45	578.74	190.72	.00

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