

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

S

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

NOV 13 2007

2. Name of Operator

Mewbourne Oil Company 14744

OCD-ARTESIA

3a. Address

PO Box 5270 Hobbs, NM 88240

3b. Phone No. (include area code)

505-393-5905

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)

1650' FNL & 990' FWL, Sec 10-T17S-R29E (Unit E)

5. Lease Serial No.

NMLC-068722

6 If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Salamander 10 Federal Com #1

9. API Well No.

30-015-35770

10. Field and Pool, or Exploratory Area

Grayburg Morrow 77840

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☒ Plug Back	☐ Water Disposal	

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

TD well on 10/29/07 at 10840'. Logged well. Well looked noncommercial. Called Wesley Ingram (Carlsbad BLM) for plugging orders. Ran Gyro Survey (enclosed). Decided to plug back and deviate well to bottom hole location at 1570' FNL & 1150' FWL. Called Wesley Ingram (Carlsbad BLM) for plug back orders.

Set 1st plug at 10820' with 100 sks Class H with retarder (yd @ 1.18 cuft/sk @ 15.6 PPG. Est TOC at 10550'). WOC 4 hrs.
Set 2nd plug at 10418' with 100 sks Class H with retarder (yl @ 1.18 cuft/sk @ 15.6 PPG. Est TOC at 10180'). WOC 24 hrs.

Plans are as follows:

Will contact 505-361-2822 prior to setting final plug. Set kick off plug at 9300' back to 8300' with 730 sks Class H with retarder (yd @ 0.95 cuft/sk at 17.5 PPG). Dress off plug to 9100'. Start kick off and directional drill to TD at 11000' TVD and relog. Directional plan is enclosed. Attached new C102 plat. If any questions, please call Mickey Young 505-393-5905.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Kristi Green

Title Hobbs Regulatory

Signature

Date 11/02/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by (Signature)

Name
(Printed/Typed)

Title NOV 2 2007

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date

WESLEY W. INGRAM

PETROLEUM ENGINEER

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on next page)

Form 3160-3
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

5. Lease Serial No.
NMLC-068722

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Salamander 10 Federal Com #1

9. API Well No.
30-015-35770

10. Field and Pool, or Exploratory Area
Grayburg Morrow 77840

11. County or Parish, State
Eddy County, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Mcwbourne Oil Company 14744

3a. Address
PO Box 5270 Hobbs, NM 88240

3b. Phone No. (include area code)
505-393-5905

4. Location of Well (Footage, Sec., T. R., M., or Survey Description)

1650' FNL & 990' FWL, Sec 10-T17S-R29E (Unit E)

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☒ Plug Back	☐ Water Disposal	

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Plans are as follows:

Set kick off plug at 9300' back to 8300' with 730 sks Class H with retarder (yd @ 0.95 cuft/sk @ 17.5 PPG.) Dress off plug to 9100'. Start kick off and directional drill to TD at 11000' TVD and relog. Directional plan is enclosed. If any questions, please call Mickey Young 505-393-3905.

New plot required.

WOC between plugs - 4 holes,
Contact 505-361-2822 prior to
setting final plug.14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kristi Green

Title Hobbs Regulatory

Signature

Date 11/02/07

APPROVED

Approved by (Signature)

Name
(Printed/Typed)

Office

NOV 2 2007

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

WESLEY W. INGRAM

PETROLEUM ENGINEER

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(Continued on next page)

DISTRICT I
1625 N. FRENCH DR., HOBBBS, 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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35770	Pool Code 76400	Pool Name Undesignated Empire Morrow, South
Property Code	Property Name SALAMANDER 10 FEDERAL COM	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3580'

Surface Location

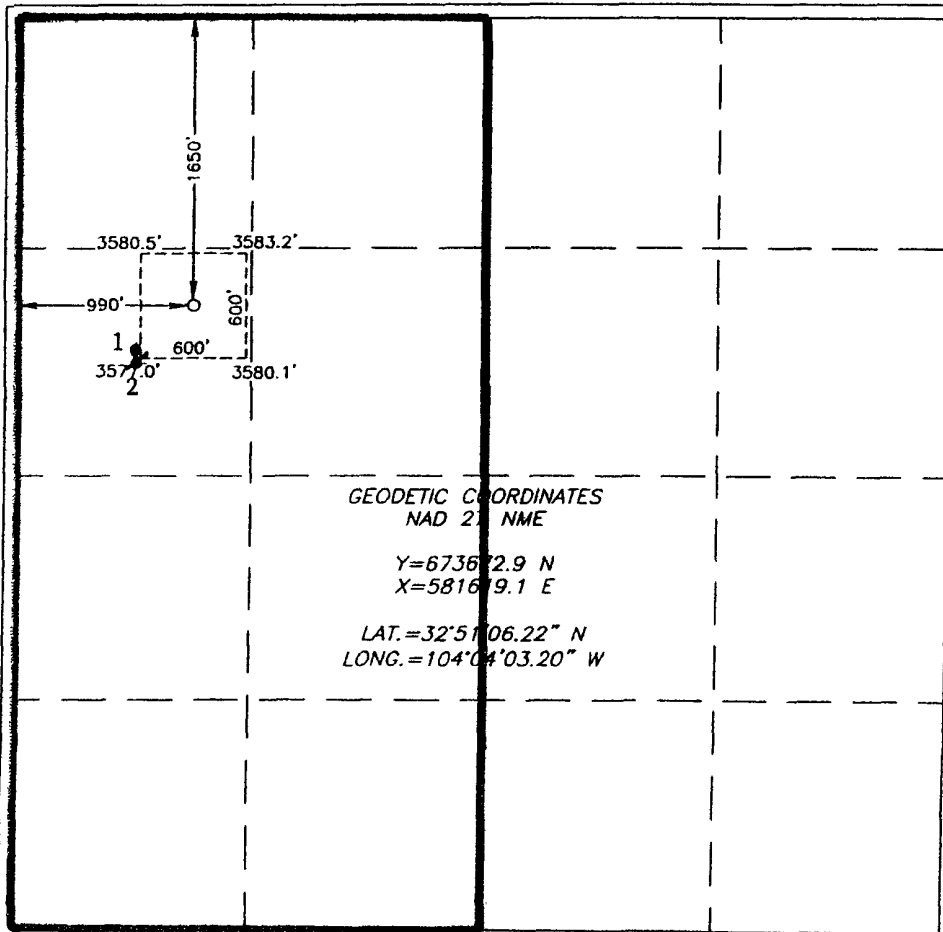
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	10	17-S	29-E		1650	NORTH	990	WEST	EDDY

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
E	10	17-S	29-E		1570	NORTH	1150	WEST	

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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kristi Green 11/2/07
Signature Date

Kristi Green
Printed Name
Hobbs Regulatory

SURVEYOR CERTIFICATION

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.

MAY 10, 2006

Date Surveyed MR
Signature & Seal of
Professional Surveyor

Gary Eidson 5/30/06
06.11.0723

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

- 3001502938-Hanson Energy-Featherstone #1Y-1880FNL 660FWL E-10-17S-29E-TD 2455'
- 3001502939-Pre-Ongard-Featherstone #1-1980FNL 660FWL E-10-17S-29E-TD 1115'

Planning Report

Company: Mewbourne Oil Company Field: Salamander 10 Fed Com #1 Site: Salamander 10 Fed Com #1 Well: Salamander 10 Fed Com #1 Wellpath: OH		Date: 11/02/2007 Time: 09:48:24 Page: 1 Co-ordinate(NE) Reference: Salamander 10 Fed Com #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,63.43Azi) Plan: Plan #8-11-2-07								
Field: Salamander 10 Fed Com #1										
Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level		Map Zone: New Mexico, Eastern Zone Coordinate System: Site Centre Geomagnetic Model: igrf2005								
Site: Salamander 10 Fed Com #1										
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 0.00 ft		Northing: 673751.38 ft Easting: 581721.40 ft Latitude: 32 51 6.998 N Longitude: 104 4 1.999 W North Reference: Grid Grid Convergence: 0.14 deg								
Well: Salamander 10 Fed Com #1 Slot Name:										
Well Position: +N/-S 0.00 ft Northing: 673751.38 ft +E/-W 0.00 ft Easting: 581721.40 ft		Latitude: 32 51 6.998 N Longitude: 104 4 1.999 W								
Position Uncertainty: 0.00 ft										
Wellpath: OH										
Current Datum: SITE Magnetic Data: 10/31/2007 Field Strength: 0 nT Vertical Section: Depth From (TVD)		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 0.00 deg Mag Dip Angle: 0.00 deg +E/-W Direction								
ft ft		ft deg								
0.00 0.00		0.00 63.43								
Plan: Plan #8 11-2-07		Date Composed: 10/31/2007 Version: 1 Tied-to: From: Definitive Path								
Principal: No										
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
9100.00	0.66	19.30	9098.92	76.27	-75.01	0.00	0.00	0.00	0.00	
9564.10	10.88	89.71	9560.17	79.02	-30.21	2.30	2.20	15.17	73.71	
10572.04	10.88	89.71	10550.00	80.00	160.00	0.00	0.00	0.00	0.00	Target
10877.53	10.88	89.71	10850.00	80.30	217.65	0.00	0.00	0.00	0.00	
Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9100.00	0.66	19.30	9098.92	76.27	-75.01	-32.99	0.00	0.00	0.00	Tie-in/KOP @ 9100' MD, Be
9200.00	2.56	78.71	9198.88	77.25	-72.63	-30.42	2.30	1.90	59.41	
9300.00	4.83	85.48	9298.66	78.02	-66.24	-24.36	2.30	2.26	6.77	
9400.00	7.11	87.92	9398.12	78.57	-55.86	-14.82	2.30	2.29	2.44	
9500.00	9.41	89.18	9497.07	78.92	-41.50	-1.82	2.30	2.29	1.26	
9564.10	10.88	89.71	9560.17	79.02	-30.21	8.32	2.30	2.30	0.82	EOB @ 9564' MD, 10.88° IN
9600.00	10.88	89.71	9595.42	79.06	-23.44	14.39	0.00	0.00	0.00	
9700.00	10.88	89.71	9693.63	79.16	-4.56	31.32	0.00	0.00	0.00	
9800.00	10.88	89.71	9791.83	79.25	14.31	48.24	0.00	0.00	0.00	
9900.00	10.88	89.71	9890.03	79.35	33.18	65.16	0.00	0.00	0.00	
10000.00	10.88	89.71	9988.24	79.45	52.05	82.08	0.00	0.00	0.00	
10100.00	10.88	89.71	10086.44	79.54	70.92	99.01	0.00	0.00	0.00	
10200.00	10.88	89.71	10184.64	79.64	89.79	115.93	0.00	0.00	0.00	
10300.00	10.88	89.71	10282.85	79.74	108.66	132.85	0.00	0.00	0.00	
10400.00	10.88	89.71	10381.05	79.83	127.53	149.77	0.00	0.00	0.00	
10500.00	10.88	89.71	10479.25	79.93	146.40	166.69	0.00	0.00	0.00	
10572.04	10.88	89.71	10550.00	80.00	160.00	178.89	0.00	0.00	0.00	Target

Pathfinder Energy

Planning Report

Company: Mewbourne Oil Company Field: Salamander 10 Fed Com #1 Site: Salamander 10 Fed Com #1 Well: Salamander 10 Fed Com #1 Wellpath: OH	Date: 11/02/2007 Time: 09:48:24 Page: 2 Co-ordinate(NE) Reference: Salamander 10 Fed Com #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,63.43Azi) Plan: Plan #8 11-2-07
--	---

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
10600.00	10.88	89.71	10577.46	80.03	165.28	183.62	0.00	0.00	0.00	
10700.00	10.88	89.71	10675.66	80.12	184.15	200.54	0.00	0.00	0.00	
10800.00	10.88	89.71	10773.86	80.22	203.02	217.46	0.00	0.00	0.00	
10877.53	10.88	89.71	10850.00	80.30	217.65	230.58	0.00	0.00	0.00	TD @ 10878' MD, 10850' TVD

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
Target -Plan hit target		10550.00	80.00	160.00	673831.38	581881.40	32	51	7.786 N	104	4	0.121 W

Annotation

MD ft	TVD ft	
9100.00	9098.92	Tie-in/KOP @ 9100' MD, Begin Build @ 2.3°/100'
9564.10	9560.17	EOB @ 9564' MD, 10.88° INC, Hold to TD
10877.53	10850.00	TD @ 10878' MD, 10850' TVD

Field: Salamander 10 Fed Com #1
 Site: Salamander 10 Fed Com #1
 Well: Salamander 10 Fed Com #1
 Wellpath: OH
 Plan: Plan #8 11-2-07

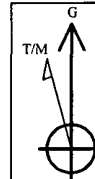
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	9100 00	0 66	19 30	9098 92	76 27	-75 01	0 00	0 00	-32 99	
2	9564 10	10 88	89 71	9560 17	79 02	-30 21	2 30	73 71	8 32	
3	10572 04	10 88	89 71	10550 00	80 00	160 00	0 00	0 00	178 89	Target
4	10877 53	10 88	89 71	10850 00	80 30	217 65	0 00	0 00	230 58	

SITE DETAILS

Salamander 10 Fed Com #1

Site Centre Latitude 32°51'06 998N
 Longitude 104°04'01 999W
 Water Depth 0 00
 Positional Uncertainty 0 00
 Convergence 0 14



Azimuths to Grd North
 True North -0 14°
 Magnetic North -0 14°

Magnetic Field
 Strength 0nT
 Dip Angle 0 00°
 Date 10/31/2007
 Model igr2005

ANNOTATIONS

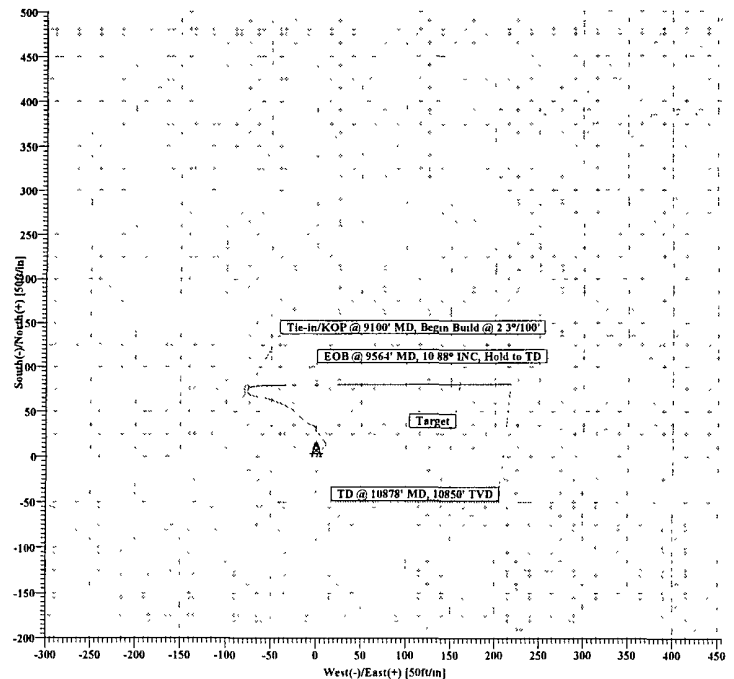
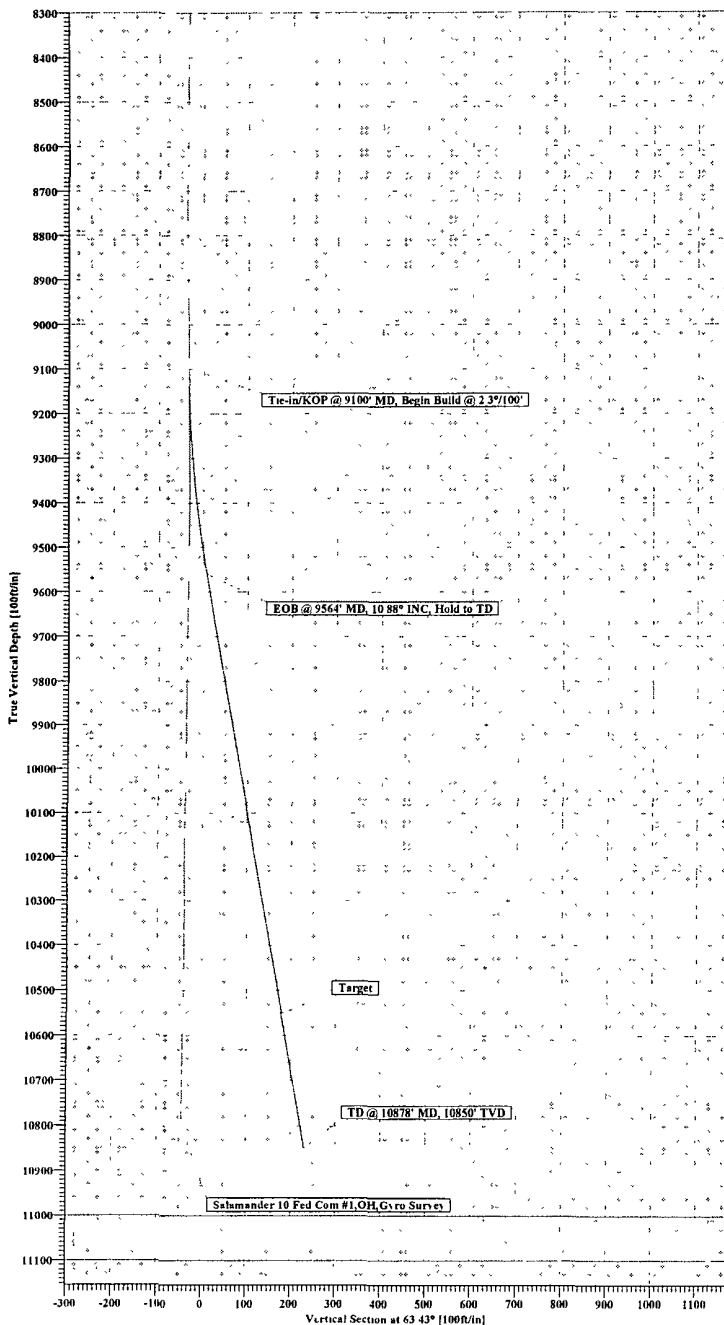
No	TVD	MD	Annotation
1	9098 92	9100 00	Tie-in/KOP @ 9100' MD, Begin Build @ 2 3°/100'
2	9560 17	9564 10	EOB @ 9564' MD, 10 88° INC, Hold to TD
3	10850 00	10877 53	TD @ 10878' MD, 10850' TVD

FIELD DETAILS

Salamander 10 Fed Com #1

Geodetic System US State Plane Coordinate System 1927
 Ellipsoid NAD27 (Clarke 1866)
 Zone New Mexico, Eastern Zone
 Magnetic Model igr2005

System Datum Mean Sea Level
 Local North Grid North



LEGEND

Salamander 10 Fed Com #1, OH, Gyro Survey
 OH
 Plan #8 11-2-07

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO
Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

Run Date: 10/30/2007 11:42:20 PM

Surveyor: THOMAS BOWDEN

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.851944 deg. N Longitude: 104.067222 deg. W

Azimuth Correction:

Gyro: -0.14000 deg West to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO

Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.		HORIZONTAL COORDINATES feet	
0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.0	0.00 N	0.00 E

0 TO 10800 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2 " DRILLPIPE									
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON 41 R.K.B.									

100.00	0.46	43.02	0.3	0.46	100.00	0.4	43.0	0.29 N	0.27 E
200.00	0.34	77.86	0.7	0.27	200.00	1.1	52.2	0.65 N	0.84 E
300.00	0.31	26.56	0.9	0.28	300.00	1.6	52.7	0.95 N	1.25 E
400.00	0.48	14.49	1.6	0.19	399.99	2.2	42.7	1.60 N	1.47 E
500.00	0.59	17.62	2.5	0.12	499.99	3.0	34.8	2.49 N	1.73 E
600.00	0.89	37.14	3.6	0.39	599.98	4.3	33.2	3.60 N	2.36 E
700.00	1.09	44.03	4.9	0.24	699.97	6.0	35.4	4.91 N	3.49 E
800.00	1.12	45.55	6.3	0.04	799.95	7.9	37.7	6.28 N	4.85 E
900.00	1.21	47.45	7.7	0.10	899.93	10.0	39.5	7.68 N	6.33 E
1000.00	1.02	46.27	9.0	0.19	999.91	11.9	40.7	9.01 N	7.75 E
1100.00	0.85	43.99	10.2	0.17	1099.89	13.5	41.3	10.17 N	8.92 E
1200.00	0.74	37.17	11.2	0.15	1199.88	14.9	41.2	11.22 N	9.83 E
1300.00	0.66	15.57	12.3	0.28	1299.88	16.1	40.2	12.29 N	10.37 E
1400.00	0.58	0.03	13.4	0.19	1399.87	17.0	38.3	13.35 N	10.53 E
1500.00	0.60	341.21	14.4	0.19	1499.87	17.7	35.8	14.35 N	10.36 E
1600.00	0.65	331.68	15.3	0.12	1599.86	18.3	32.9	15.34 N	9.92 E
1700.00	0.69	330.09	16.4	0.04	1699.85	18.8	29.8	16.36 N	9.36 E
1800.00	0.72	326.76	17.4	0.06	1799.84	19.5	26.6	17.41 N	8.71 E
1900.00	0.78	325.06	18.5	0.06	1899.84	20.1	23.3	18.50 N	7.97 E

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO

Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2000.00	0.90	321.15	19.7	0.13	1999.83	20.9 19.8	19.67 N 7.09 E
2100.00	1.01	319.53	20.9	0.12	2099.81	21.8 16.1	20.95 N 6.03 E
2200.00	1.10	317.51	22.3	0.09	2199.79	22.8 12.2	22.33 N 4.81 E
2300.00	1.04	314.90	23.7	0.08	2299.78	23.9 8.5	23.67 N 3.52 E
2400.00	0.90	315.25	24.9	0.14	2399.76	25.0 5.3	24.87 N 2.33 E
2500.00	0.83	320.17	26.0	0.10	2499.75	26.0 2.9	25.98 N 1.31 E
2600.00	0.61	329.07	27.0	0.24	2599.74	27.0 1.2	27.00 N 0.57 E
2700.00	0.51	328.68	27.8	0.11	2699.74	27.8 0.1	27.84 N 0.06 E
2800.00	0.45	337.35	28.6	0.09	2799.74	28.6 359.4	28.57 N 0.32 W
2900.00	0.44	344.01	29.3	0.05	2899.73	29.3 358.9	29.30 N 0.57 W
3000.00	0.33	353.22	29.9	0.13	2999.73	30.0 358.6	29.95 N 0.71 W
3100.00	0.27	354.42	30.5	0.06	3099.73	30.5 358.6	30.47 N 0.77 W
3200.00	0.23	357.74	30.9	0.04	3199.73	30.9 358.5	30.91 N 0.80 W
3300.00	0.26	1.32	31.3	0.03	3299.73	31.3 358.5	31.34 N 0.80 W
3400.00	0.26	349.90	31.8	0.05	3399.73	31.8 358.5	31.78 N 0.84 W
3500.00	0.26	344.89	32.2	0.02	3499.72	32.2 358.3	32.22 N 0.93 W
3600.00	0.27	334.51	32.6	0.05	3599.72	32.7 358.1	32.65 N 1.09 W
3700.00	0.32	326.84	33.1	0.07	3699.72	33.1 357.7	33.10 N 1.35 W
3800.00	0.46	302.00	33.5	0.21	3799.72	33.6 356.9	33.54 N 1.84 W
3900.00	0.62	289.80	33.9	0.20	3899.72	34.0 355.5	33.94 N 2.68 W
4000.00	0.74	287.10	34.3	0.12	3999.71	34.5 353.7	34.31 N 3.80 W
4100.00	0.81	285.82	34.7	0.08	4099.70	35.1 351.6	34.69 N 5.10 W
4200.00	0.87	294.30	35.2	0.14	4199.69	35.8 349.6	35.20 N 6.47 W

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO

Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4300.00	0.97	301.49	36.0	0.15	4299.68	36.8 347.6	35.95 N 7.89 W
4400.00	1.10	303.22	36.9	0.13	4399.66	38.1 345.7	36.91 N 9.41 W
4500.00	1.10	308.28	38.0	0.10	4499.64	39.6 343.9	38.03 N 10.96 W
4600.00	1.08	310.35	39.2	0.04	4599.62	41.2 342.4	39.23 N 12.43 W
4700.00	1.08	310.67	40.5	0.01	4699.61	42.8 341.1	40.45 N 13.86 W
4800.00	1.15	312.93	41.8	0.08	4799.59	44.5 339.9	41.75 N 15.30 W
4900.00	1.14	315.95	43.1	0.06	4899.57	46.3 338.8	43.15 N 16.73 W
5000.00	1.14	320.54	44.6	0.09	4999.55	48.2 338.0	44.64 N 18.06 W
5100.00	1.17	319.72	46.2	0.03	5099.53	50.1 337.3	46.18 N 19.35 W
5200.00	1.14	317.21	47.7	0.06	5199.51	52.0 336.5	47.69 N 20.69 W
5300.00	1.13	307.44	49.0	0.19	5299.49	53.8 335.7	49.03 N 22.15 W
5400.00	1.19	303.70	50.2	0.10	5399.47	55.6 334.6	50.20 N 23.80 W
5500.00	1.13	303.61	51.3	0.07	5499.45	57.3 333.6	51.32 N 25.48 W
5600.00	1.20	300.23	52.4	0.10	5599.43	59.0 332.6	52.40 N 27.20 W
5700.00	1.20	298.50	53.4	0.04	5699.40	60.8 331.5	53.42 N 29.03 W
5800.00	1.28	300.99	54.5	0.10	5799.38	62.6 330.4	54.49 N 30.90 W
5900.00	1.31	300.92	55.6	0.04	5899.35	64.6 329.5	55.65 N 32.84 W
6000.00	1.19	301.42	56.8	0.12	5999.33	66.6 328.6	56.79 N 34.71 W
6100.00	1.07	289.03	57.6	0.27	6099.31	68.2 327.7	57.63 N 36.48 W
6200.00	1.17	293.68	58.3	0.13	6199.29	69.8 326.7	58.34 N 38.29 W
6300.00	1.18	291.94	59.1	0.04	6299.27	71.5 325.8	59.14 N 40.18 W
6400.00	1.14	291.75	59.9	0.04	6399.25	73.2 324.9	59.89 N 42.06 W
6500.00	0.98	290.65	60.6	0.16	6499.23	74.7 324.1	60.56 N 43.78 W

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO

Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6600.00	0.95	293.58	61.2	0.06	6599.22	76.2 323.5	61.20 N 45.34 W
6700.00	0.80	292.68	61.8	0.15	6699.21	77.5 322.9	61.80 N 46.74 W
6800.00	0.80	292.97	62.3	0.01	6799.20	78.7 322.4	62.34 N 48.03 W
6900.00	0.61	290.05	62.8	0.19	6899.19	79.8 321.9	62.79 N 49.17 W
7000.00	0.69	287.92	63.2	0.08	6999.18	80.7 321.5	63.16 N 50.24 W
7100.00	0.68	286.33	63.5	0.02	7099.18	81.7 321.0	63.51 N 51.38 W
7200.00	0.72	287.47	63.9	0.04	7199.17	82.7 320.6	63.86 N 52.54 W
7300.00	0.72	285.62	64.2	0.02	7299.16	83.7 320.1	64.22 N 53.74 W
7400.00	0.74	284.75	64.5	0.02	7399.15	84.8 319.6	64.55 N 54.96 W
7500.00	0.75	284.51	64.9	0.02	7499.15	85.8 319.1	64.88 N 56.22 W
7600.00	0.63	280.20	65.1	0.14	7599.14	86.8 318.6	65.14 N 57.39 W
7700.00	0.78	278.04	65.3	0.16	7699.13	87.8 318.1	65.33 N 58.60 W
7800.00	0.81	277.73	65.5	0.03	7799.12	88.8 317.5	65.52 N 59.98 W
7900.00	0.87	278.26	65.7	0.06	7899.11	90.0 316.9	65.72 N 61.43 W
8000.00	0.94	279.07	66.0	0.07	7999.10	91.2 316.3	65.96 N 62.99 W
8100.00	1.08	278.79	66.2	0.14	8099.08	92.6 315.7	66.24 N 64.73 W
8200.00	1.19	278.78	66.5	0.11	8199.06	94.2 314.9	66.54 N 66.69 W
8300.00	1.16	280.14	66.9	0.04	8299.04	95.9 314.2	66.88 N 68.72 W
8400.00	1.19	286.09	67.3	0.13	8399.02	97.7 313.6	67.34 N 70.72 W
8500.00	1.03	293.00	68.0	0.21	8499.00	99.4 313.1	67.98 N 72.55 W
8600.00	0.95	309.17	68.9	0.29	8598.99	101.1 312.9	68.86 N 74.02 W
8700.00	0.98	319.83	70.0	0.18	8698.97	102.8 313.0	70.03 N 75.21 W
8800.00	1.12	352.31	71.7	0.60	8798.96	104.4 313.4	71.66 N 75.89 W
8900.00	1.06	11.08	73.5	0.36	8898.94	105.6 314.1	73.53 N 75.85 W

A Gyrodata Directional Survey

MEWBOURNE OIL COMPANY

Location: PATTERSON #41, EDDY COUNTY, NEW MEXICO

Lease: SALAMANDAR 10 FED COM Well: #1,

Job Number: MD1007GW364

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9000.00	0.78	19.96	75.1	0.31	8998.93	106.4 314.9	75.08 N 75.44 W
9100.00	0.66	19.30	76.3	0.12	9098.92	107.0 315.5	76.27 N 75.01 W
9200.00	0.57	15.05	77.3	0.10	9198.91	107.5 316.0	77.29 N 74.69 W
9300.00	0.64	17.46	78.3	0.07	9298.91	108.0 316.5	78.31 N 74.40 W
9400.00	0.41	309.79	79.1	0.61	9398.90	108.6 316.7	79.06 N 74.50 W
9500.00	0.90	269.10	79.3	0.65	9498.90	109.5 316.4	79.28 N 75.57 W
9600.00	0.88	263.78	79.2	0.09	9598.88	110.5 315.8	79.19 N 77.11 W
9700.00	0.68	228.73	78.7	0.50	9698.88	111.0 315.1	78.71 N 78.32 W
9800.00	0.73	203.22	77.7	0.31	9798.87	110.8 314.5	77.73 N 79.02 W
9900.00	0.89	192.23	76.4	0.22	9898.86	110.2 313.9	76.39 N 79.43 W
10000.00	1.03	175.89	74.7	0.31	9998.84	109.1 313.2	74.74 N 79.53 W
10100.00	1.11	172.23	72.9	0.10	10098.83	107.7 312.6	72.88 N 79.33 W
10200.00	0.80	173.35	71.2	0.31	10198.81	106.5 312.0	71.22 N 79.12 W
10300.00	0.66	190.86	70.0	0.26	10298.81	105.6 311.5	69.96 N 79.15 W
10400.00	0.54	199.87	69.0	0.15	10398.80	105.2 311.0	68.95 N 79.42 W
10500.00	0.57	222.46	68.1	0.22	10498.80	105.0 310.5	68.14 N 79.91 W
10600.00	0.50	230.22	67.5	0.09	10598.79	105.1 310.0	67.50 N 80.58 W
10700.00	0.49	213.07	66.9	0.15	10698.79	105.1 309.5	66.86 N 81.15 W
10800.00	0.53	189.92	66.0	0.21	10798.78	104.9 309.0	66.05 N 81.46 W

Final Station Closure: Distance: 104.87 ft Az: 309.03 deg.