

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mewbourne Oil Company P.O. Box 5270 Hobbs, NM 88241 (505)393-5905		OGRID Number 14744
		API Number 30-015-33003
Property Code	Property Name La Huerta "30" Fee Com	Well No. # 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
J	29	21S	27E		2114	South	2487	East	Eddy

Proposed 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
P	30	21S	27E		651	South	954	East	Eddy

Proposed Pool 1 Wildcat Morrow					Proposed Pool 2 Burton Flat, Morrow				
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Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3134
Multiple No	Proposed Depth 11725	Formation Morrow	Contractor Unknown	Spud Date 09-10-03

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400	400	Circ. to Surface
12-1/4"	9-5/8"	40#	2600	1000	Circ. to Surface
8-3/4"	5-1/2"	17#	11725	600	500' Above Wolfcamp

²²Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

BOP Program : 2K Hydriil (See Exhibit #2) from surface casing to intermediate TD. Schaffer LWS or equivalent (Double-Ram Hydraulic) 1500 series with Hydriil 900 series (See Exhibit #2A) from intermediate casing to total depth. Rotating Head, PVT, Flow Monitors, and mud gas Separator from the Wolfcamp to TD.

Mud Program: 0 to 400' Fresh Water, spud mud, lime for PH, and LCM as needed for seepage.
400 to 2600' Fresh Water, lime for PH, and LCM as needed for seepage.
2600 to TD 9.3 to 10# Brine, Caustic for PH, Starch for WL Control, and LCM as needed for seepage.

²³I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Terry Burke*
Printed name: Terry Burke

Title: Drilling Foreman

OIL CONSERVATION DIVISION	
Approved By: <i>Sign of District Supervisor</i>	
Title: District Supervisor	
Approval Date: SEP 17 2003	Expiration Date: SEP 17 2004

Cement to cover all oil, gas and
water bearing zones.

NOTIFY OCD SPUD & TIME
TO WITNESS 5/8" CASING

DISTRICT II

811 South First, Artesia, NM 88210

Instruction on back

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Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code	Pool Name Wildcat Morrow
Property Code	Property Name LA HUERTA "30" FEE COM.	Well Number 1
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3134

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	21S	27E		2114	SOUTH	2487	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
P	30	21S	27E		651	South	954	East	Eddy
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

**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 the the information contained herein is true and complete to the best of my knowledge and belief. Signature Terry Burke Printed Name Drilling Foreman Title September 4, 2003 Date	
	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. 1/10/2003 Date Surveyed Signature of Professional Surveyor Certificate No. Herschel L. Jones RLS 3640 LA HUERTA 30 FEE COM. GENERAL SURVEYING COMPANY	

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1API Number	2Pool Code	3Pool Name Wildcat Morrow
4Property Code	5Property Name La Huerta "30" Fee Com	6Well Number #1
7GRID No. 14744	8Operator Name Mewbourne Oil Company	9Elevation 3134

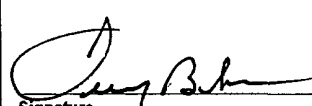
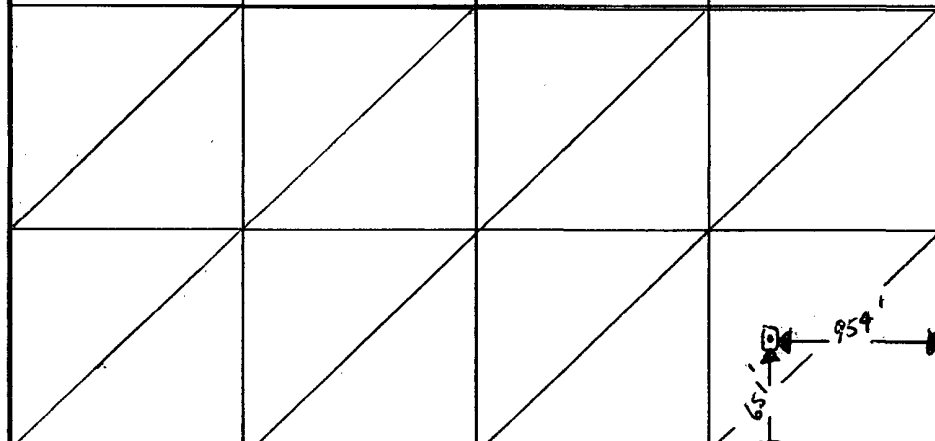
10Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
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11Bottom Hole Location If Different From Surface

UL or lot no. P	Section 30	Township 21S	Range 27E	Lot Idn	Feet from the 651	North/South line South	Feet from the 954	East/West Line East	County Eddy
12Dedicated Acres 320.00	13Joint or Infill	14Consolidation Code	15Order No.						

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

16					17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Terry Burke Printed Name Drilling Foreman Title 09-04-03 Date
					18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

Mewbourne Oil Company
BOP Schematic for
12 1/4" Hole

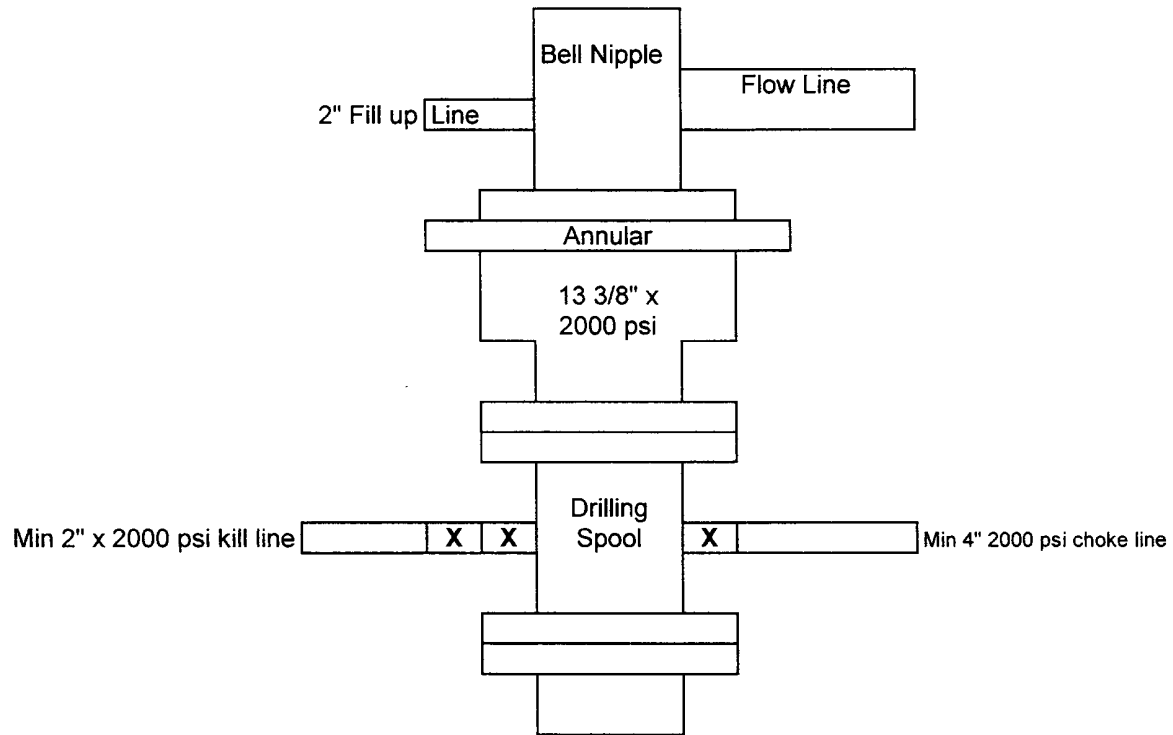


Exhibit #2

La Huerta "30" Fee Com # 1
2114' FSL & 2487' FEL
Sec.29-21S; R27E
Eddy County, New Mexico

Mewbourne Oil Company
BOP Schematic for
8 3/4" or 7 7/8" Hole

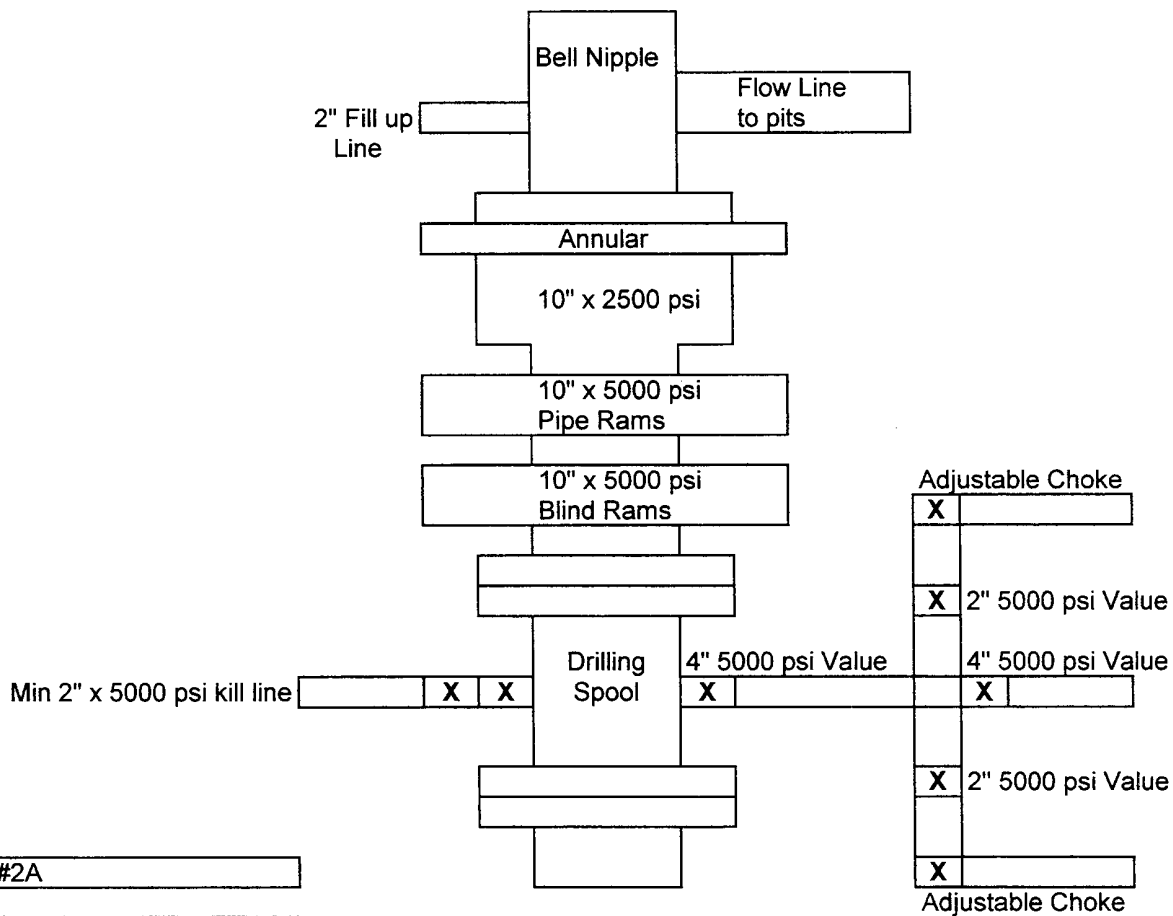


Exhibit #2A

La Huerta "30" Fee Com # 1
2114' FSL & 2487' FEL
Sec.29; T21S; R27E
Eddy County, New Mexico

Hydrogen Sulfide Drilling Operations Plan

Mewbourne Oil Company

La Huerta "30" Fee Com # 1

1980' FSL & 1650' FEL

Section 30-T21S-R27E

Eddy County, New Mexico

1. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

- 1 The hazards and characteristics of hydrogen sulfide gas.
- 2 The proper use of personal protective equipment and life support systems.
- 3 The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
- 4 The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

- 1 The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
- 2 Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
- 3 The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a known hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

2. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the intermediate casing.

1. Well Control Equipment

- A. Flare line with automatic igniter or continuous ignition source.
 - B. Choke manifold with minimum of one adjustable choke.
 - C. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
 - D. Auxiliary equipment including rotating head and annular type blowout preventer..
-

2. Protective Equipment for Essential Personnel

Thirty minute self contained work unit located at briefing area as indicated on wellsite diagram.

3. Hydrogen Sulfide Protection and Monitoring Equipment

Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 ppm.

4. Visual Warning Systems

A. Wind direction indicators as indicated on the wellsite diagram.

B. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

3. **Mud Program**

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

4. **Metallurgy**

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

5. **Communications**

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

6. **Well Testing**

Drill stem testing is not an anticipated requirement for evaluation of this well. A drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

7. **General Requirements**

MOC has researched this area and no high concentrations of H₂S was found. MOC will have on location and working all H₂S safety equipment before Yates and Delaware formations.



Precision Drilling

COMPUTALOG

DRILLING SERVICES, INC.

9802 West I-20
Midland, TX 79706

Operator: Mewbourne Oil Company
Address: 3901 South Broadway
Tyler, Texas 75701

Well: La Huerta 30 Well #1
Location: Eddy County, NM

Prepared For: Mr. Monty Whetstone

Revised: 6/17/03
Proposal #: re061703
Prepared By: Rick Eaton

CDS Contacts:

Operations - John Hawkes
Sales - Rick Eaton

Office

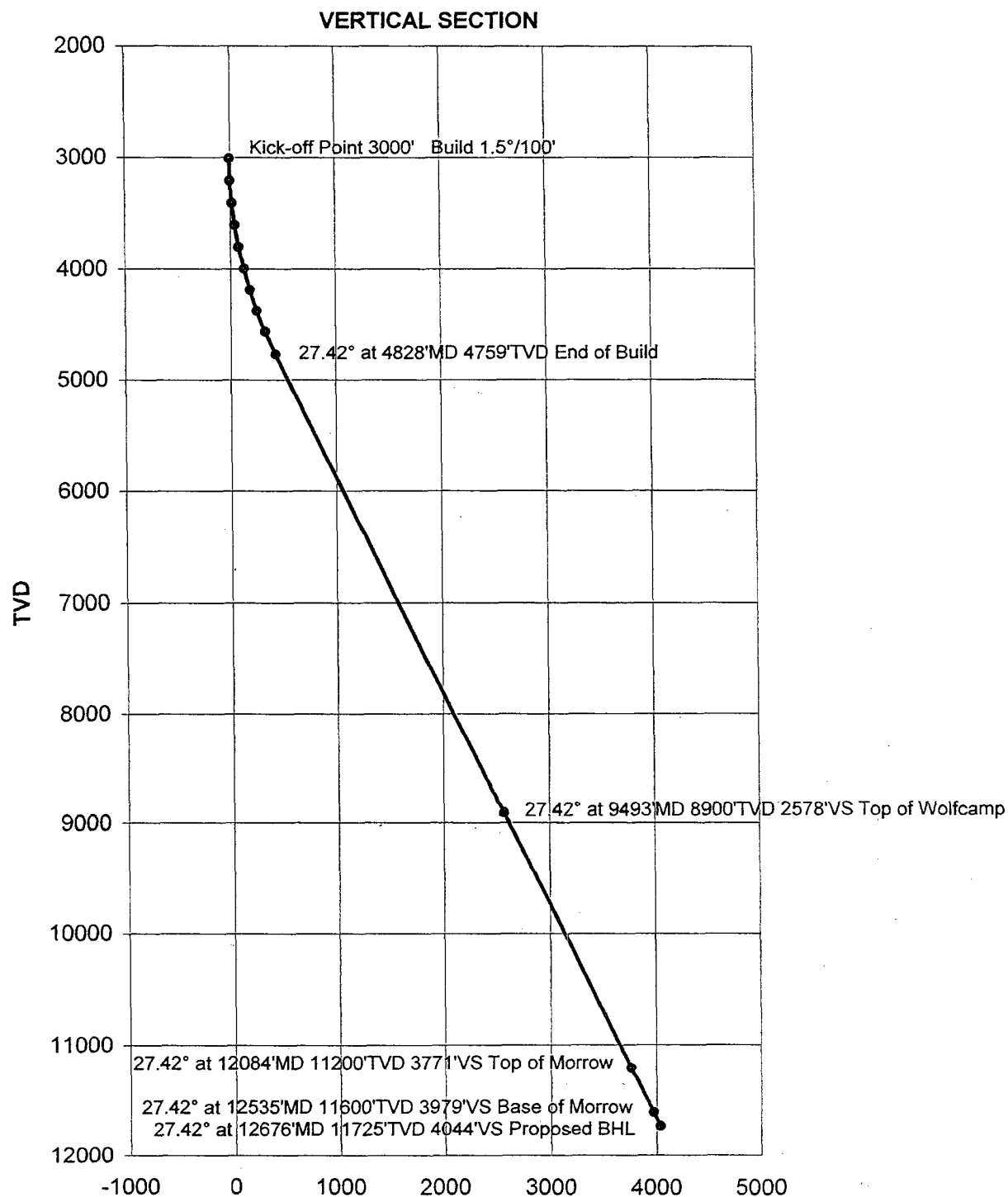
432.561.5500
432.561.5500

Cell

432.638.9036
432.559.2458

Fax:

432.561.5525
432.561.5525



STATE: New Mexico

KB ELEVATION:

COUNTY: Eddy

FILE #:

AZ TO TARGET = 248.80

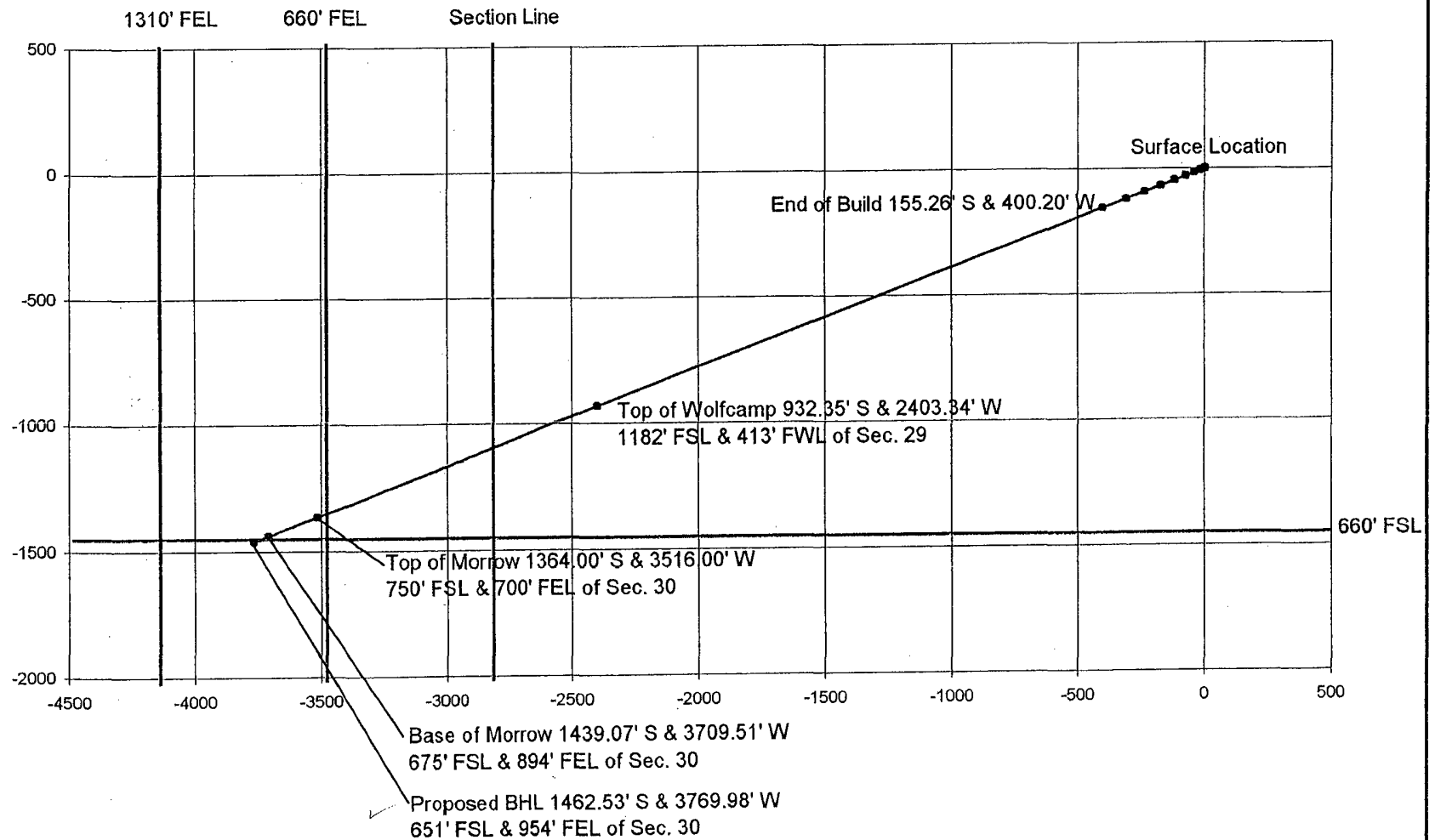
GR. ELEVATION:

COMPUTALOG

Mewbourne Oil Company
La Huerta 30 #1 (SL 2114' FSL & 2816' FWL Sec. 29)



HORIZONTAL PROJECTION



FILE #:

STATE: New Mexico

COUNTY: Eddy

KB ELEVATION:

GR. ELEVATION:

AZ TO TARGET = 248.80

Computalog Drilling Services

Client : Mewbourne Oil Co.
Well Name : La Huerta 30 #1
Location : Eddy County, NM

Page : 1 of 1
Date : 6/17/03

Surface Location 2114' FSL & 2816' FWL of Sec. 29
Vertical Section Azimuth 248.80°

	MD ft	Inc deg	Azi deg	TVD ft	+N/-S ft	+E/-W ft	V'Sect ft	D'Leg °/100
Kick-off Point, Build 1.5°/100'								
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00
3200.00	3.00	248.80	3199.91	-1.89	-4.88	5.23	1.50	
3400.00	6.00	248.80	3399.27	-7.57	-19.51	20.92	1.50	
3600.00	9.00	248.80	3597.54	-17.01	-43.84	47.03	1.50	
3800.00	12.00	248.80	3794.16	-30.19	-77.82	83.47	1.50	
4000.00	15.00	248.80	3988.62	-47.07	-121.34	130.15	1.50	
4200.00	18.00	248.80	4180.36	-67.62	-174.29	186.95	1.50	
4400.00	21.00	248.80	4368.86	-91.76	-236.53	253.70	1.50	
4600.00	24.00	248.80	4553.62	-119.44	-307.88	330.23	1.50	
End of Build								
4828.30	27.42	248.80	4759.28	-155.26	-400.20	429.26	1.50	
Top of Wolfcamp								
9493.27	27.42	248.80	8900.00	-932.35	-2403.34	2577.85	0.00	
Top of Morrow								
12084.47	27.42	248.80	11200.00	-1364.00	-3516.00	3771.31	0.00	
Base of Morrow								
12535.12	27.42	248.80	11600.00	-1439.07	-3709.51	3978.86	0.00	
Proposed BHL								
12675.94	27.42	248.80	11725.00	-1462.53	-3769.98	4043.73	0.00	

Bottom Hole Closure 4043.73' - 248.80°