

OCD-HOBBS

ATS-10-611
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

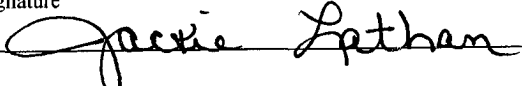
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NM-113967 (SL & BHL)
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Mewbourne Oil Company - 14744		7. If Unit or CA Agreement, Name and No.
3a. Address PO Box 5270 Hobbs, NM 88241	3b. Phone No. (include area code) 575-393-5905	8. Lease Name and Well No. <38319> Red Hills West 8 Fed #1H
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 330' FSL & 380' FEL (SL) Unit P At proposed prod. zone 330' FNL & 380' FEL (BHL) Unit A		9. API Well No. 30-025-39902
14. Distance in miles and direction from nearest town or post office* 25 miles SE of Malaga NM		10. Field and Pool, or Exploratory Wildcat Bone Spring
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330'	16. No. of Acres in lease 160	11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 - T26S - R32E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13688' MD 9250' TVD	12. County or Parish Lea
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3193' GL	22. Approximate date work will start* ASAP	13. State NM
17. Spacing Unit dedicated to this well 160		
20. BLM/BIA Bond No. on file NM1693, Nationwide		
23. Estimated duration 40		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|---|
| 1 Well plat certified by a registered surveyor | 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2 A Drilling Plan | 5. Operator certification. |
| 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6 Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Jackie Lathan	Date 06/17/10
Title Hobbs Regulatory		
Approved by (Signature) Is/ Don Peterson	Name (Printed/Typed)	Date SEP 14 2010
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval 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.
Conditions of approval, if any, are attached
APPROVAL FOR TWO YEARS

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

*(Instructions on reverse)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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Carlsbad Controlled Water Basin

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

RECEIVED

DISTRICT I
1626 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

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 15, 2009

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39902	Pool Code 96403	Pool Name Wildcat Bone Springs
Property Code 38319	Property Name RED HILLS WEST "8" FEDERAL	Well Number 1H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3193'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	26 S	32 E		330	SOUTH	380	EAST	LEA

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
A	8	26 S	32 E		330	NORTH	380	East	Lea

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

SURFACE LOCATION
 Lat - N 32°03'03.70"
 Long - W 103°41'21.68"
 NMSPCE- N 382884.106
 E 699521.080
 (NAD-27)

OPERATOR CERTIFICATION

I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jackie Lathan 6/17/10
 Signature Date

Jackie Lathan
 Printed Name

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.

GARY L. JONES
 JUNE 16, 2010
 Date Surveyed

[Signature]
 Signature & Seal of Professional Surveyor

W.O. No. 22937
 Certificate No. Gary L. Jones 7977

BASIN SURVEYS

Drilling Program
Mewbourne Oil Company
Red Hills West 8 Federal Com. #1H
380' FNL & 380' FWL (SHL)
Sec 8-T26S-R32E
Lea County, New Mexico

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1. The estimated tops of geological markers are as follows:

Base of Salt 4220'
Lamar 4440'
*Delaware 4465'
*Bone Spring 8500'

*Rustler & Top of Salt should
be listed. Onshore Order 1. III, D.3.a*

2. Estimated depths of anticipated fresh water, oil, or gas:

Water Fresh water will be protected by setting surface casing at 900' and cementing to surface.
Hydrocarbons Oil and gas are anticipated in the above (*) formations. These zones will be protected by casing as necessary.

see COA

3. Pressure control equipment: *~ Incomplete - No Statement About BOP below 1338" CSG*

See COA
A 3000# WP Double Ram BOP and 3000# WP Annular will be installed after running 9" casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOPs will be inspected and operated as recommended in Onshore Order #2. A Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the Kelly is not in use. Will test the 9 5/8" BOPE to 3000# and Annular to 1500# with a third party testing company before drilling below each shoe, but will test again, if needed, in 30 days from the 1st test as per BLM Onshore Oil and Gas Order #2.

see COA
4. MOC proposes to drill a vertical wellbore to 9650' to log & evaluate the Bone Springs. MOC will then plug back to 8600' MD & kick off to horizontal @ 9250' TVD. The well will be drilled to 13725 MD (9250' TVD). See attached directional plan.

400'

5. Proposed casing and cementing program:

See COA

A. Casing Program:

Hole Size	Casing	Wt/Ft.	Grade	Depth	Jt Type
17 1/2"	13 3/8" (new)	48#	H40	0'-900'	ST&C
12 1/4"	9 5/8" (new)	36#	K55	0'-3300'	ST&C
12 1/4"	9 5/8" (new)	40#	K55	3300'-4300'	ST&C
12 1/4"	9 5/8" (new)	40#	N80	4300'-4400'	LT&C
8 3/4"	5 1/2" (new)	17#	P110	0-13725' MD	LT&C

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8.

~~*Subject to availability of casing.~~

See COA

*Replaced on (per operator)
9/8/2010
JLF*

B. Cementing Program:

See COA

- i. Surface Casing: 250 sacks Lite "C" cement w/additives. Yield at 2.05 cuft/sk. 200 sks class "C" w/1% CaCl₂. Yield at 1.34 cuft/sk. Cmt circulated to surface.
- ii. Intermediate Casing: 750 sacks Lite "C" cement w/additives. Yield at 2.05 cuft/sk. 400 sks class "C" w/1% CaCl₂. Yield at 1.34 cuft/sk. Cmt circulated to surface.
- iii. Production Casing: 700 sacks Lite "H" cement w/additives. Yield at 2.45 cuft/sk. 1500 sks class "H" w/additives. Yield at 1.29 cuft/sk. Cmt calculated to tieback to intermediate csg.

See COA

*Mewbourne Oil Company reserves the right to change cement designs as hole conditions may warrant.

6. Mud Program:

See COA

<u>Interval</u>	<u>Type System</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0'-600'	FW spud mud	8.6-9.0	32-34	NA
600'-4400'	Brine water	10.0-10.2	28-30	NA
4400'- TD	FW w/Polymer	8.5-8.7	32-35	15

7. Evaluation Program:

Samples: 10' samples from surface casing to TD
Logging: See COA Tie-in GR & Gyro from KOP (7800') to surface. GR from 7800' to TD.

8. Downhole Conditions

Zones of abnormal pressure:	None anticipated
Zones of lost circulation:	Anticipated in surface and intermediate holes
Maximum bottom hole temperature.	120 degree F
Maximum bottom hole pressure:	8.3 lbs/gal gradient or less

9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 45 days involved in drilling operations and an additional 10 days involved in completion operations on the project.

Mewbourne Oil Company

Location: Lea County, NM Slot: No. 1H SHL
Field: (Red) Sec 8, T26S, R32E Well: No. 1H
Facility: Red Hills West 8 Fed. No. 1H Wellbore: No. 1H PWB



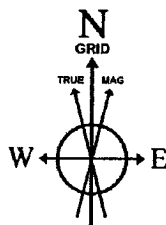
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Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	359.505	0.00	0.00	0.00	0.00	0.00
EST KOP	8677.00	0.000	359.505	8677.00	0.00	0.00	0.00	0.00
END OF CURVE	9577.09	90.000	359.505	9250.02	573.00	-4.95	10.00	573.02
No. 1H PWB	13687.56	90.000	359.505	9250.00	4683.31	-40.48	0.00	4683.49

Plot reference wellpath is Prdion 1	
True vertical depths are referenced to Rig on No. 1H SHL (KB)	Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 1H SHL (KB)	North Reference: Grid north
Rig on No. 1H SHL (KB) to Mean Sea Level: 3211 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: Red Hills West 8 Fed. Com No. 1H) -3189 feet	Depths are in feet
Coordinates are in feet referenced to SRT	Created by: Victor Hernandez on 9/14/2010

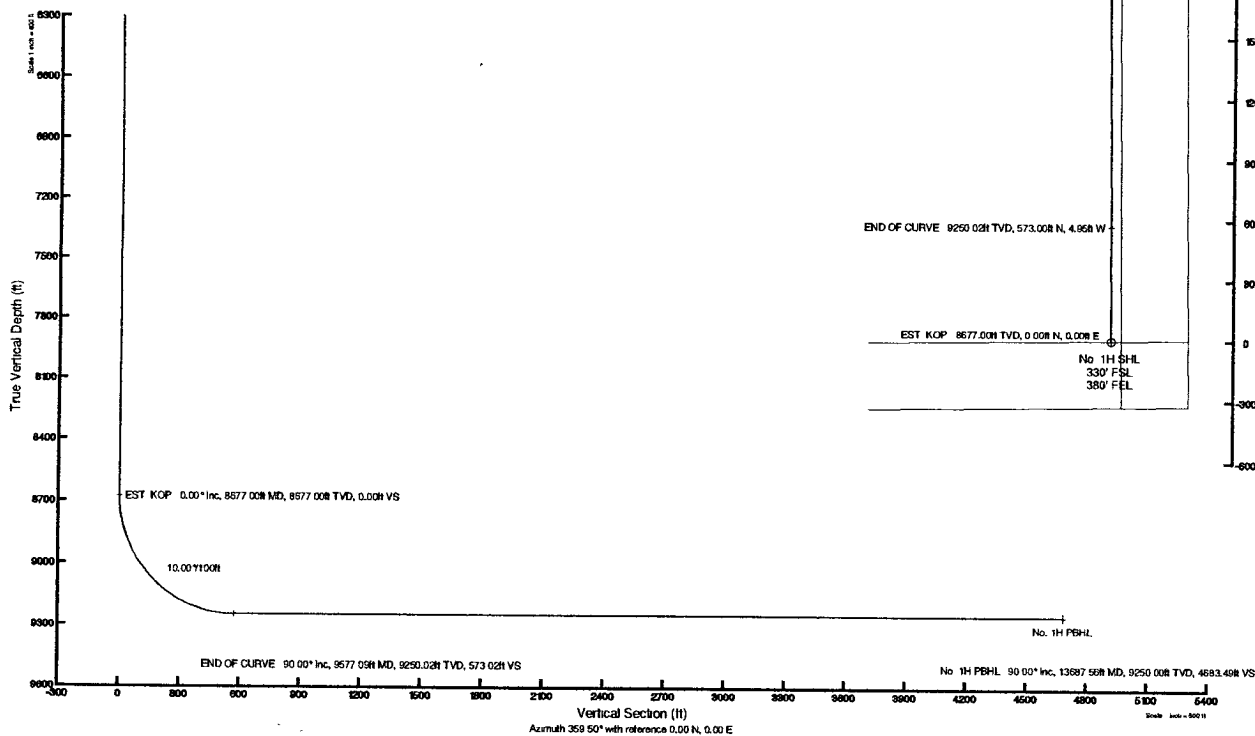
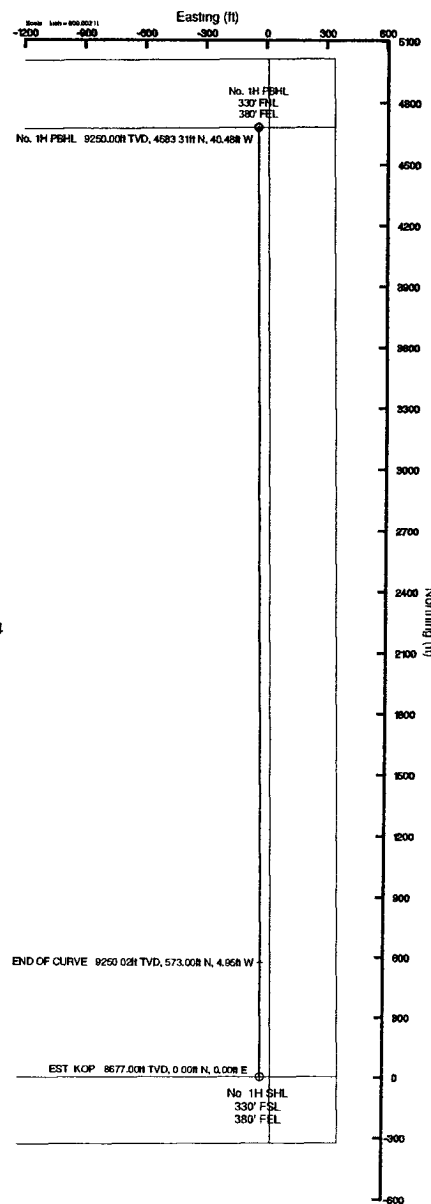


BGGM (1945.0 to 2011.0) Dip: 60.04° Field: 48664.1 nT
Magnetic North is 7.78 degrees East of True North (at 6/14/2010)
Grid North is 0.34 degrees East of True North

To correct azimuth from True to Grid subtract 0.34 degrees

To correct azimuth from Magnetic to Grid add 7.44 degrees

For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.44 = 97.44



Planned Wellpath Report

Prelim_1

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 8 Fed Com No. 1H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999955	Report Generated	6/14/2010 at 4:13:13 PM
Convergence at slot	0.34° East	Database/Source file	WA_Midland/No. 1H_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	699521.08	382884.11	32°03'03.699"N	103°41'21.678"W
Facility Reference Pt			699521.08	382884.11	32°03'03.699"N	103°41'21.678"W
Field Reference Pt			699521.08	382884.11	32°03'03.699"N	103°41'21.678"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 1H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (KB) to Mean Sea Level	3211.00ft
Vertical Reference Pt	Rig on No. 1H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.50°

Planned Wellpath Report

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Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 8 Fed Com No. 1H		

WELLPATH DATA (54 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	359.505	0.00	0.00	0.00	0.00	699521.08	382884.11	32°03'03.699"N	103°41'21.678"W	0.00	Tie On
8677.00	0.000	359.505	8677.00	0.00	0.00	0.00	699521.08	382884.11	32°03'03.699"N	103°41'21.678"W	0.00	EST. KOP
8777.00†	9.999	359.505	8776.49	8.70	8.70	-0.08	699521.00	382892.81	32°03'03.786"N	103°41'21.678"W	10.00	
8877.00†	19.998	359.505	8872.96	34.55	34.55	-0.30	699520.78	382918.66	32°03'04.041"N	103°41'21.679"W	10.00	
8977.00†	29.997	359.505	8963.48	76.75	76.75	-0.66	699520.42	382960.86	32°03'04.459"N	103°41'21.680"W	10.00	
9077.00†	39.996	359.505	9045.30	134.03	134.03	-1.16	699519.92	383018.13	32°03'05.026"N	103°41'21.682"W	10.00	
9177.00†	49.995	359.505	9115.92	204.65	204.64	-1.77	699519.31	383088.74	32°03'05.725"N	103°41'21.684"W	10.00	
9277.00†	59.994	359.505	9173.22	286.46	286.44	-2.48	699518.60	383170.54	32°03'06.534"N	103°41'21.687"W	10.00	
9377.00†	69.993	359.505	9215.43	376.97	376.95	-3.26	699517.82	383261.04	32°03'07.430"N	103°41'21.690"W	10.00	
9477.00†	79.992	359.505	9241.30	473.43	473.42	-4.09	699516.99	383357.50	32°03'08.384"N	103°41'21.693"W	10.00	
9577.00†	89.991	359.505	9250.02	572.93	572.90	-4.95	699516.13	383456.99	32°03'09.369"N	103°41'21.696"W	10.00	
9577.09	90.000	359.505	9250.02	573.02	573.00	-4.95	699516.13	383457.08	32°03'09.370"N	103°41'21.696"W	10.00	END OF CURVE
9677.00†	90.000	359.505	9250.01	672.93	672.90	-5.82	699515.26	383556.98	32°03'10.359"N	103°41'21.699"W	0.00	
9777.00†	90.000	359.505	9250.01	772.93	772.90	-6.68	699514.40	383656.97	32°03'11.348"N	103°41'21.702"W	0.00	
9877.00†	90.000	359.505	9250.01	872.93	872.89	-7.55	699513.54	383756.96	32°03'12.338"N	103°41'21.705"W	0.00	
9977.00†	90.000	359.505	9250.01	972.93	972.89	-8.41	699512.67	383856.95	32°03'13.327"N	103°41'21.708"W	0.00	
10077.00†	90.000	359.505	9250.01	1072.93	1072.89	-9.27	699511.81	383956.94	32°03'14.317"N	103°41'21.711"W	0.00	
10177.00†	90.000	359.505	9250.01	1172.93	1172.88	-10.14	699510.94	384056.94	32°03'15.306"N	103°41'21.714"W	0.00	
10277.00†	90.000	359.505	9250.01	1272.93	1272.88	-11.00	699510.08	384156.93	32°03'16.296"N	103°41'21.718"W	0.00	
10377.00†	90.000	359.505	9250.01	1372.93	1372.87	-11.87	699509.21	384256.92	32°03'17.286"N	103°41'21.721"W	0.00	
10477.00†	90.000	359.505	9250.01	1472.93	1472.87	-12.73	699508.35	384356.91	32°03'18.275"N	103°41'21.724"W	0.00	
10577.00†	90.000	359.505	9250.01	1572.93	1572.87	-13.60	699507.48	384456.90	32°03'19.265"N	103°41'21.727"W	0.00	
10677.00†	90.000	359.505	9250.01	1672.93	1672.86	-14.46	699506.62	384556.89	32°03'20.254"N	103°41'21.730"W	0.00	
10777.00†	90.000	359.505	9250.01	1772.93	1772.86	-15.32	699505.76	384656.88	32°03'21.244"N	103°41'21.733"W	0.00	
10877.00†	90.000	359.505	9250.01	1872.93	1872.86	-16.19	699504.89	384756.88	32°03'22.233"N	103°41'21.736"W	0.00	
10977.00†	90.000	359.505	9250.01	1972.93	1972.85	-17.05	699504.03	384856.87	32°03'23.223"N	103°41'21.739"W	0.00	
11077.00†	90.000	359.505	9250.01	2072.93	2072.85	-17.92	699503.16	384956.86	32°03'24.213"N	103°41'21.742"W	0.00	
11177.00†	90.000	359.505	9250.01	2172.93	2172.84	-18.78	699502.30	385056.85	32°03'25.202"N	103°41'21.746"W	0.00	
11277.00†	90.000	359.505	9250.01	2272.93	2272.84	-19.65	699501.43	385156.84	32°03'26.192"N	103°41'21.749"W	0.00	
11377.00†	90.000	359.505	9250.01	2372.93	2372.84	-20.51	699500.57	385256.83	32°03'27.181"N	103°41'21.752"W	0.00	

Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 8 Fed Com No. 1H		

WELLPATH DATA (54 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11477.00†	90.000	359.505	9250.01	2472.93	2472.83	-21.37	699499.71	385356.83	32°03'28.171"N	103°41'21.755"W	0.00	
11577.00†	90.000	359.505	9250.01	2572.93	2572.83	-22.24	699498.84	385456.82	32°03'29.160"N	103°41'21.758"W	0.00	
11677.00†	90.000	359.505	9250.01	2672.93	2672.83	-23.10	699497.98	385556.81	32°03'30.150"N	103°41'21.761"W	0.00	
11777.00†	90.000	359.505	9250.01	2772.93	2772.82	-23.97	699497.11	385656.80	32°03'31.140"N	103°41'21.764"W	0.00	
11877.00†	90.000	359.505	9250.01	2872.93	2872.82	-24.83	699496.25	385756.79	32°03'32.129"N	103°41'21.767"W	0.00	
11977.00†	90.000	359.505	9250.01	2972.93	2972.81	-25.70	699495.38	385856.78	32°03'33.119"N	103°41'21.770"W	0.00	
12077.00†	90.000	359.505	9250.01	3072.93	3072.81	-26.56	699494.52	385956.77	32°03'34.108"N	103°41'21.774"W	0.00	
12177.00†	90.000	359.505	9250.01	3172.93	3172.81	-27.43	699493.66	386056.77	32°03'35.098"N	103°41'21.777"W	0.00	
12277.00†	90.000	359.505	9250.01	3272.93	3272.80	-28.29	699492.79	386156.76	32°03'36.087"N	103°41'21.780"W	0.00	
12377.00†	90.000	359.505	9250.00	3372.93	3372.80	-29.15	699491.93	386256.75	32°03'37.077"N	103°41'21.783"W	0.00	
12477.00†	90.000	359.505	9250.00	3472.93	3472.80	-30.02	699491.06	386356.74	32°03'38.066"N	103°41'21.786"W	0.00	
12577.00†	90.000	359.505	9250.00	3572.93	3572.79	-30.88	699490.20	386456.73	32°03'39.056"N	103°41'21.789"W	0.00	
12677.00†	90.000	359.505	9250.00	3672.93	3672.79	-31.75	699489.33	386556.72	32°03'40.046"N	103°41'21.792"W	0.00	
12777.00†	90.000	359.505	9250.00	3772.93	3772.78	-32.61	699488.47	386656.72	32°03'41.035"N	103°41'21.795"W	0.00	
12877.00†	90.000	359.505	9250.00	3872.93	3872.78	-33.48	699487.61	386756.71	32°03'42.025"N	103°41'21.798"W	0.00	
12977.00†	90.000	359.505	9250.00	3972.93	3972.78	-34.34	699486.74	386856.70	32°03'43.014"N	103°41'21.802"W	0.00	
13077.00†	90.000	359.505	9250.00	4072.93	4072.77	-35.20	699485.88	386956.69	32°03'44.004"N	103°41'21.805"W	0.00	
13177.00†	90.000	359.505	9250.00	4172.93	4172.77	-36.07	699485.01	387056.68	32°03'44.993"N	103°41'21.808"W	0.00	
13277.00†	90.000	359.505	9250.00	4272.93	4272.77	-36.93	699484.15	387156.67	32°03'45.983"N	103°41'21.811"W	0.00	
13377.00†	90.000	359.505	9250.00	4372.93	4372.76	-37.80	699483.28	387256.66	32°03'46.973"N	103°41'21.814"W	0.00	
13477.00†	90.000	359.505	9250.00	4472.93	4472.76	-38.66	699482.42	387356.66	32°03'47.962"N	103°41'21.817"W	0.00	
13577.00†	90.000	359.505	9250.00	4572.93	4572.75	-39.53	699481.56	387456.65	32°03'48.952"N	103°41'21.820"W	0.00	
13677.00†	90.000	359.505	9250.00	4672.93	4672.75	-40.39	699480.69	387556.64	32°03'49.941"N	103°41'21.823"W	0.00	
13687.56	90.000	359.505	9250.00 ¹	4683.49	4683.31	-40.48	699480.60	387567.20	32°03'50.046"N	103°41'21.824"W	0.00	No. 1H PBHL

Planned Wellpath Report

Prelim_1
Page 4 of 4

REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 8 Fed Com No. 1H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 1H PBHL	13687.56	9250.00	4683.31	40.48	699480.60	387567.20	32°03'50.046"N	103°41'21.824"W	point

SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Prelim_1				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	13687.56	NaviTrak (Standard)		No. 1H PWB

COMPANY Mearbourn Oil Company

Exhibit # 5

SUBJECT Red Hills West B Federal #1 H

LOCATION 330' FSL & 380' FEL Sec 8 T-26S R-32E Len Co, N.M

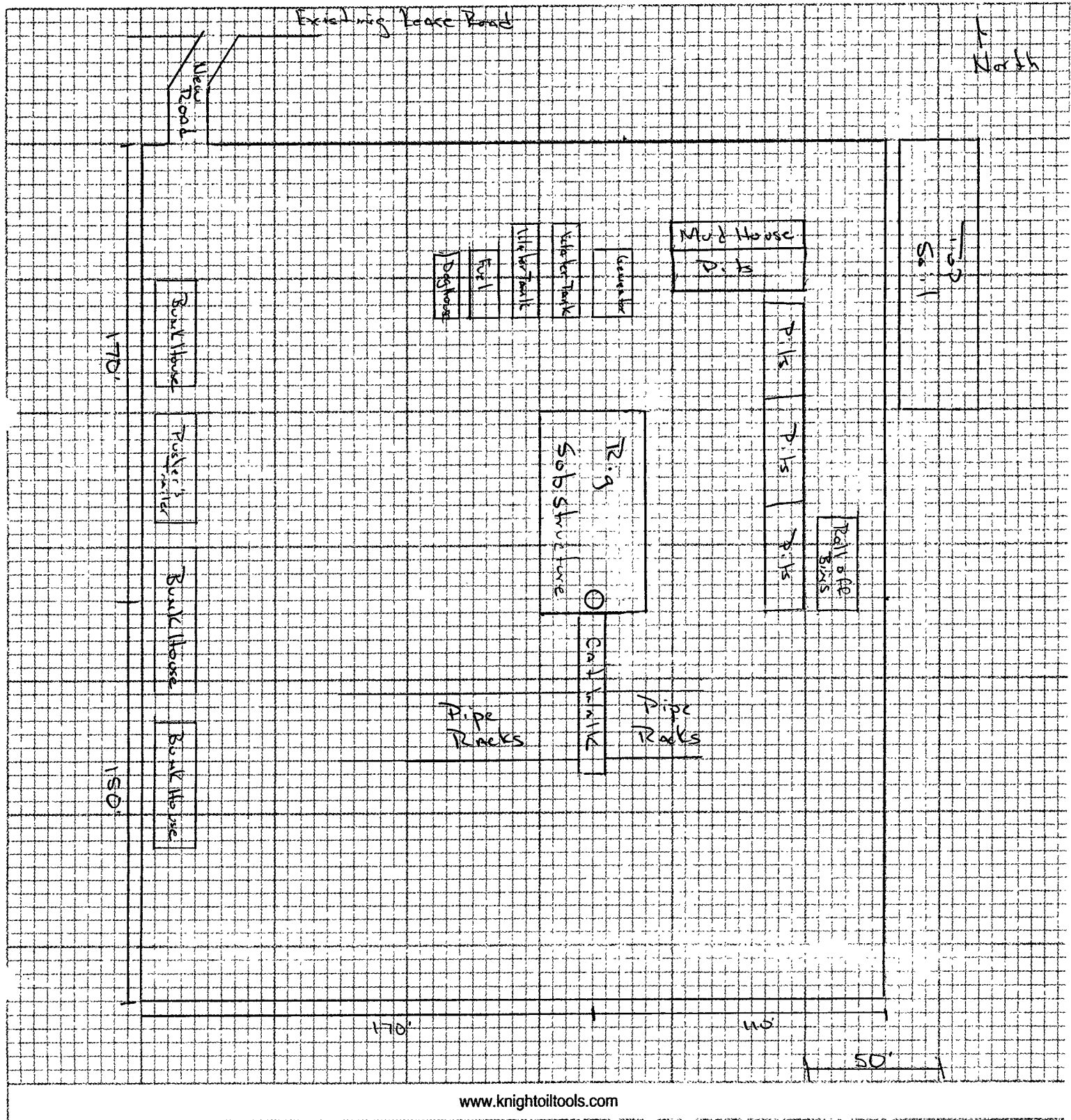


Exhibit 5

COMPANY Newbourn Oil Company
SUBJECT Red Hills West B Federal #111

Exhibit # 6

LOCATION 330' FSL & 380' FEL Sec. 8 T-26S R-32E

Lea County, NM

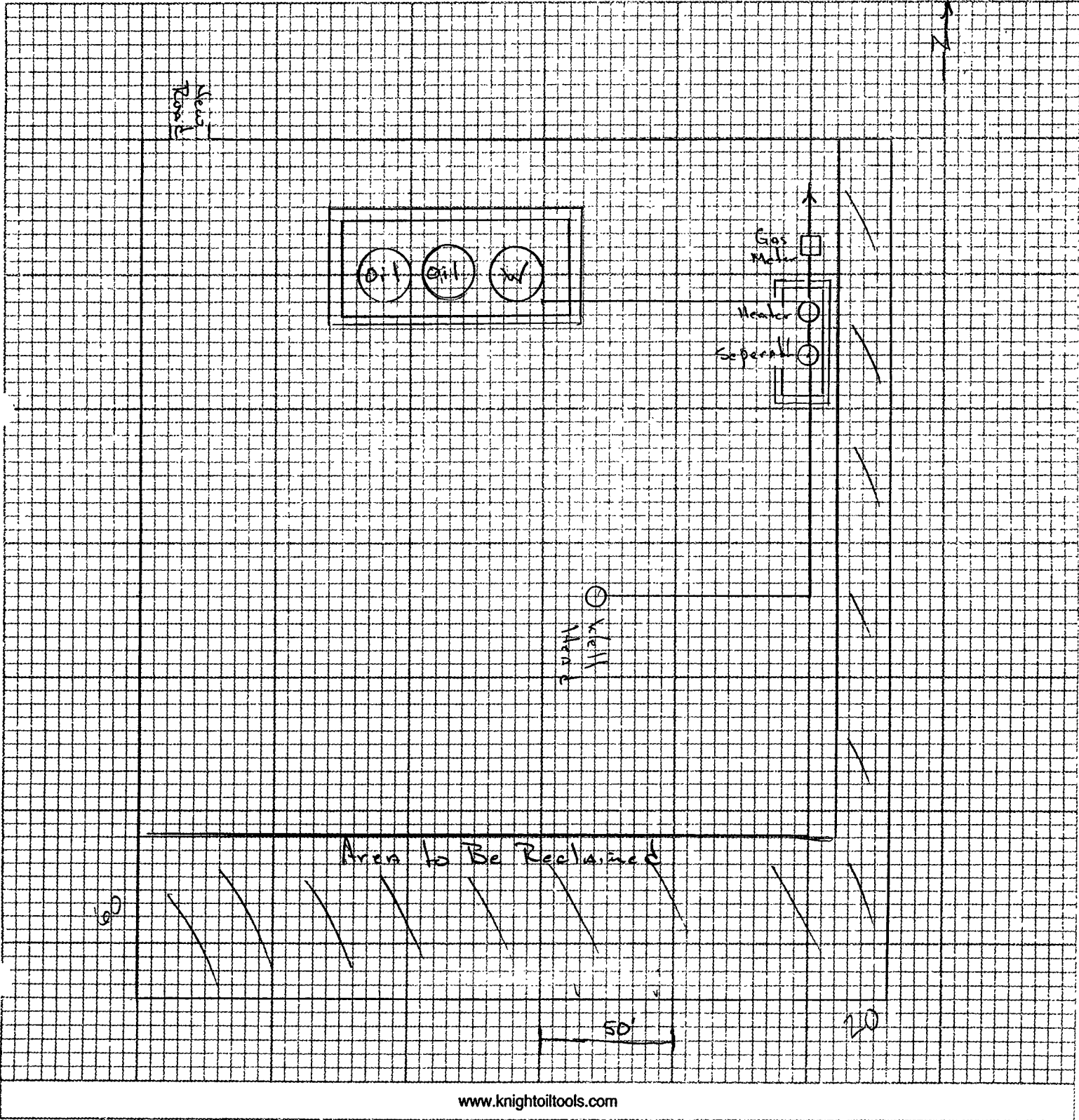


Exhibit 6

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Red Hills West 8 Federal #1H

330' FSL & 380' FEL (SHL)

Sec 8-T26S-R32E

Lea County, New Mexico

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HOBBSOCD

- I. Drilling nipple (bell nipple) to be constructed so that it can be removed without the use of a welder through the opening of the rotary table, with minimum internal diameter equal to blowout preventer bore.
- II. Blowout preventer and all fittings must be in good condition with a minimum 2000 psi working pressure on ~~9 5/8"~~ casing and 3000 psi working pressure on ~~7"~~ ^{9 5/8"} ~~13 3/8"~~ ^{13 3/8"}
- III. Safety valve must be available on the rig floor at all times with proper connections to install in the drill string. Valve must be full bore with minimum 3000 psi working pressure.
- IV. Equipment through which bit must pass shall be at least as large as internal diameter of the casing.
- V. A kelly cock shall be installed on the kelly at all times.

Blowout preventer closing equipment to include and accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.

Mewbourne Oil Company
BOP Scematic for
~~12 1/4"~~ Hole
17 1/2

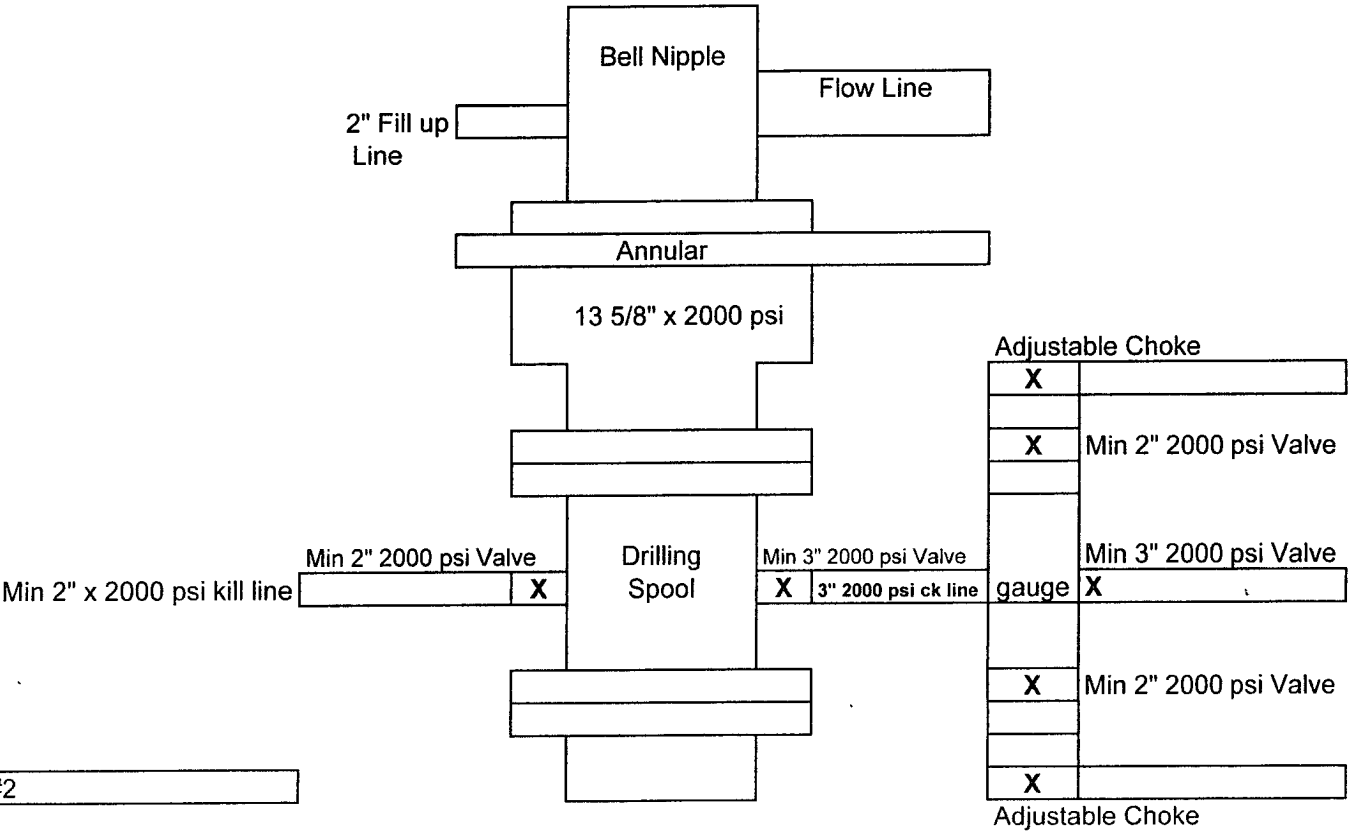


Exhibit #2

Red Hills West 8 Fed #1H
330' FSL & 380' FEL
Sec 8-T26S-R32E
Lea, County
New Mexico

Mewbourne Oil Company

BOP Schematic for
8 3/4" & ~~6 1/8"~~ Hole

12 1/4

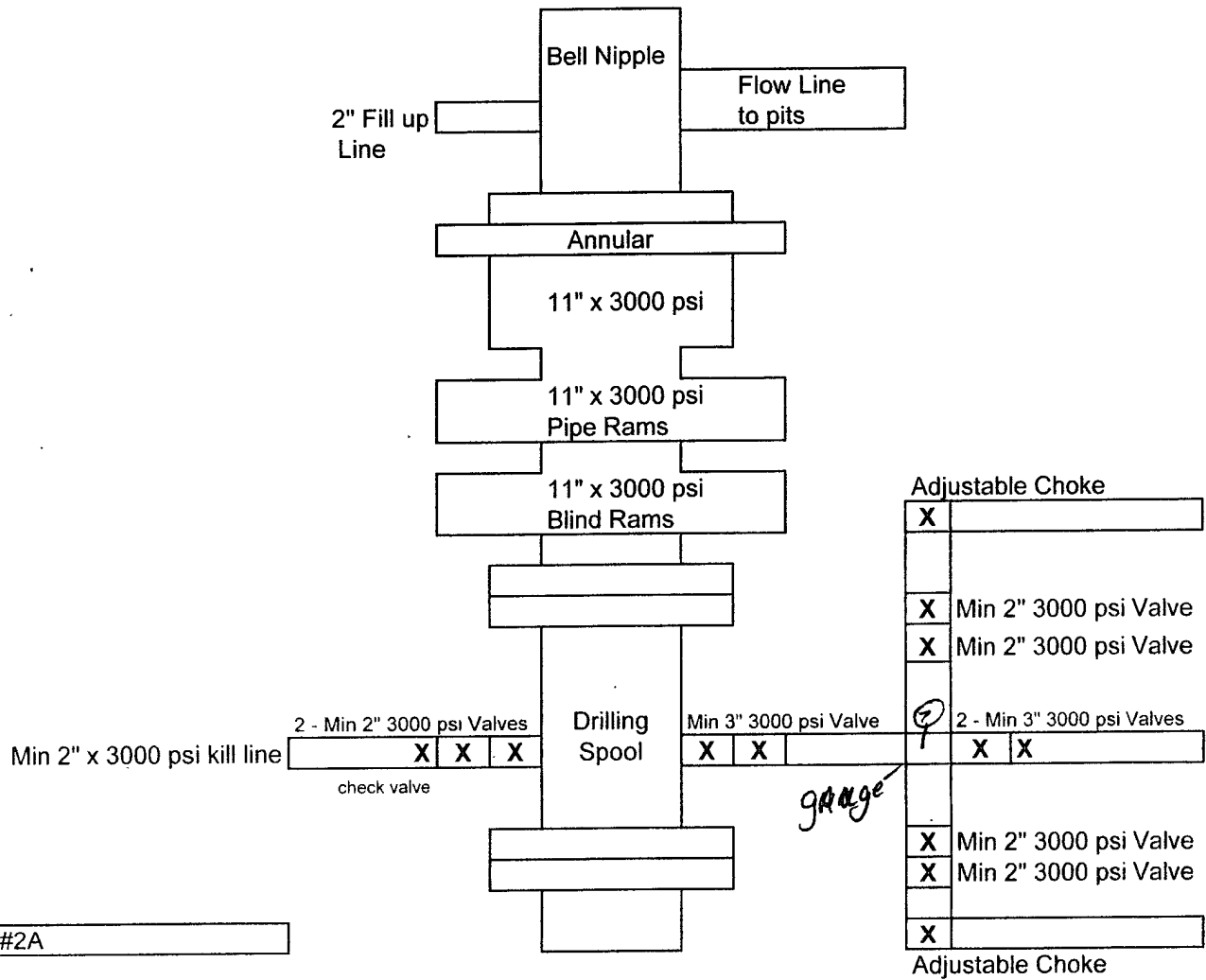


Exhibit #2A

Red Hills West Fed #1H
330' FSL & 380' FEL
Sec 8-T26S-R32E
Lea County,
New Mexico