

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

SEP 21 2010

HOBBS

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

ATS - 10 - 615

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator

Mewbourne Oil Company **<14744>**

3a. Address

PO Box 5270 Hobbs, NM 88241

3b. Phone No. (include area code)

575-393-5905

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface 330' FSL & 380' FWL (SL) Unit M

At proposed prod. zone 330' FNL & 380' FWL (BHL) Unit D

14. Distance in miles and direction from nearest town or post office*

?????

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig unit line, if any) 330'

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

3199' GL

22. Approximate date work will start*

ASAP

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

2. A Drilling Plan.

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).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title

Hobbs Regulatory

Approved by (Signature)

/s/ Don Peterson

Name (Printed/Typed)

Jackie Lathan

Date

07/01/10

Name (Printed/Typed)

Date

SEP 16 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)

Carlsbad Controlled Water Basin

PETROLEUM ENGINEER Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

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

RECEIVED
SEP 21 2010
HOBBSOCD

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39912	Pool Code 96403	Pool Name Wildcat Bone Springs
Property Code 38324	Property Name RED HILLS WEST "8" FEDERAL COM	Well Number 2H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3199'

Surface Location

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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°03'03.55" Long - W 103°42'14.91" NMPCE- N 382841.645 E 694939.999 (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. <u>Jackie Lathan</u> 7/2/10 Signature Date <u>Jackie Lathan</u> 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. Date Surveyed _____ Signature & Seal of Professional Surveyor _____ Certificate No. Gary L. Jones 7977 BASIN SURVEYS
--	--	--

United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 E Greene Street
Carlsbad, New Mexico 88201-1287

RECEIVED

SEP 21 2010
HOBBSOCD

Statement Accepting Responsibility for Operations

Operator Name: Mewbourne Oil Company
Street or Box: P.O. Box 5270
City, State: Hobbs, New Mexico
Zip Code: 88241

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted of the leased land or portion thereof, as described below.

Lease Number: Lease Number NM-105560 (SL)

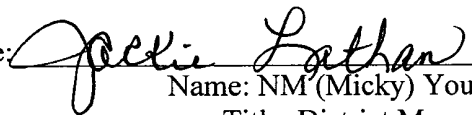
Legal Description of Land: Section 8, T-26S, R-32E Lea County, New Mexico.
Location @ 330' FSL & 380' FWL.

Formation (if applicable): Bone Spring

Bond Coverage: \$150,000

BLM Bond File: NM1693, Nationwide

Authorized Signature:



Name: NM (Micky) Young

Title: District Manager

Date: July 1, 2010



Drilling Program
Mewbourne Oil Company
Red Hills West 8 Federal Com #2H
330' FSL & 380' FWL (SHL)
Sec 8-T26S-R32E
Lea County, New Mexico

RECEIVED

SEP 21 2010
HOBBSOC

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

Base of Salt 4150'
Lamar 4380'
*Delaware 4400'
*Bone Spring 8400'

*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 600' 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 13 3/8" csg*

A 3000# WP Double Ram BOP and 3000# WP Annular will be installed after running 9 1/2" 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 8627' & kick off to horizontal @ 9200' TVD. The well will be drilled to 13700 MD (9200' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casing Program:

Hole Size	Casing	Wt/Ft.	Grade	Depth	Jt Type
17 1/2"	13 3/8" (new)	48#	H40	0'-800' 1050'	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	0-13700' MD	LT&C

See COA

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
GZF*

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.

**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'-800'	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 (8600') to surface. GR from 8600' 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

Mewbourne Oil Company

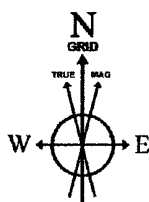
Location: Lea County, NM
Field: (Red) Sec 8, T26S, R32E
Facility: Red Hills West 8 Fed Com No. 2H

Slot: No. 2H SHL
Well: No. 2H
Wellbore: No. 2H PWB



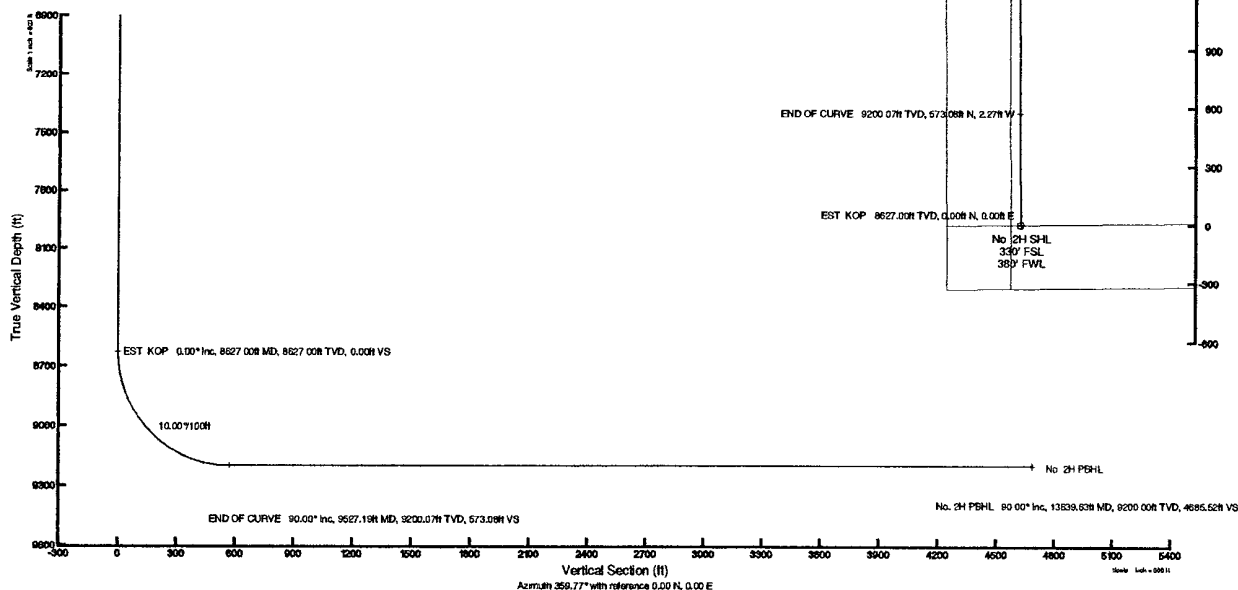
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	359.773	0.00	0.00	0.00	0.00	0.00
EST KOP	8627.00	0.000	359.773	8627.00	0.00	0.00	0.00	0.00
END OF CURVE	9527.19	90.001	359.773	9200.07	573.08	-2.27	10.00	573.08
No. 2H PBLH	13639.63	90.001	359.773	9200.00	4685.49	-18.60	0.00	4685.52



BGGM (1945.0 to 2011.0) Dip: 60.04° Field: 48662 nT
Magnetic North is 7.79 degrees East of True North (at 6/15/2010)
Grid North is 0.33 degrees East of True North
To correct azimuth from True to Grid subtract 0.33 degrees
To correct azimuth from Magnetic to Grid add 7.45 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.45 = 97.45

Plot reference wellpath is PWBH.1	
True vertical depths are referenced to Rig on No. 2H SHL (KB)	Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 2H SHL (KB)	North Reference: Grid north
Rig on No. 2H SHL (KB) to Mean Sea Level: 3217 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: Red Hills West 8 Fed Com No. 2H) -3199 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by Victor Hernandez on 8/15/2010



Planned Wellpath Report

Prelim_1

Page 1 of 4

RECEIVED

SEP 21 2010

BAKER
HUGHES

REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Lea County, NM	Well	No. 2H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 2H PWB
Facility	Red Hills West 8 Fed Com No. 2H		

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	0.999953	Report Generated	6/15/2010 at 3:31:17 PM
Convergence at slot	0.33° East	Database/Source file	WA_Midland/No. 2H_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	694940.00	382841.65	32°03'03.547"N	103°42'14.908"W
Facility Reference Pt			694940.00	382841.65	32°03'03.547"N	103°42'14.908"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. 2H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 2H SHL (KB) to Mean Sea Level	3217.00ft
Vertical Reference Pt	Rig on No. 2H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 2H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.77°

Planned Wellpath Report

Prelim_1

Page 2 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Lea County, NM	Well	No. 2H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 2H PWB
Facility	Red Hills West 8 Fed Com No. 2H		

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	359.773	0.00	0.00	0.00	0.00	694940.00	382841.65	32°03'03.547"N	103°42'14.908"W	0.00	Tie On
8627.00	0.000	359.773	8627.00	0.00	0.00	0.00	694940.00	382841.65	32°03'03.547"N	103°42'14.908"W	0.00	EST. KOP
8727.00†	9.998	359.773	8726.49	8.70	8.70	-0.03	694939.96	382850.35	32°03'03.633"N	103°42'14.907"W	10.00	
8827.00†	19.996	359.773	8822.96	34.55	34.55	-0.14	694939.86	382876.19	32°03'03.888"N	103°42'14.907"W	10.00	
8927.00†	29.994	359.773	8913.48	76.75	76.75	-0.30	694939.69	382918.39	32°03'04.306"N	103°42'14.906"W	10.00	
9027.00†	39.992	359.773	8995.30	134.02	134.02	-0.53	694939.47	382975.66	32°03'04.873"N	103°42'14.905"W	10.00	
9127.00†	49.990	359.773	9065.93	204.63	204.63	-0.81	694939.19	383046.27	32°03'05.572"N	103°42'14.903"W	10.00	
9227.00†	59.988	359.773	9123.24	286.43	286.43	-1.14	694938.86	383128.06	32°03'06.381"N	103°42'14.901"W	10.00	
9327.00†	69.986	359.773	9165.46	376.94	376.94	-1.50	694938.50	383218.56	32°03'07.277"N	103°42'14.899"W	10.00	
9427.00†	79.984	359.773	9191.34	473.40	473.40	-1.88	694938.12	383315.02	32°03'08.231"N	103°42'14.897"W	10.00	
9527.00†	89.982	359.773	9200.07	572.89	572.89	-2.27	694937.72	383414.50	32°03'09.216"N	103°42'14.895"W	10.00	
9527.19	90.001	359.773	9200.07	573.08	573.08	-2.27	694937.72	383414.69	32°03'09.218"N	103°42'14.895"W	10.00	END OF CURVE
9627.00†	90.001	359.773	9200.07	672.89	672.89	-2.67	694937.33	383514.50	32°03'10.205"N	103°42'14.893"W	0.00	
9727.00†	90.001	359.773	9200.07	772.89	772.89	-3.07	694936.93	383614.49	32°03'11.195"N	103°42'14.891"W	0.00	
9827.00†	90.001	359.773	9200.07	872.89	872.89	-3.47	694936.53	383714.49	32°03'12.184"N	103°42'14.889"W	0.00	
9927.00†	90.001	359.773	9200.07	972.89	972.88	-3.86	694936.14	383814.48	32°03'13.174"N	103°42'14.887"W	0.00	
10027.00†	90.001	359.773	9200.06	1072.89	1072.88	-4.26	694935.74	383914.48	32°03'14.164"N	103°42'14.884"W	0.00	
10127.00†	90.001	359.773	9200.06	1172.89	1172.88	-4.66	694935.34	384014.47	32°03'15.153"N	103°42'14.882"W	0.00	
10227.00†	90.001	359.773	9200.06	1272.89	1272.88	-5.05	694934.95	384114.46	32°03'16.143"N	103°42'14.880"W	0.00	
10327.00†	90.001	359.773	9200.06	1372.89	1372.88	-5.45	694934.55	384214.46	32°03'17.132"N	103°42'14.878"W	0.00	
10427.00†	90.001	359.773	9200.06	1472.89	1472.88	-5.85	694934.15	384314.45	32°03'18.122"N	103°42'14.876"W	0.00	
10527.00†	90.001	359.773	9200.05	1572.89	1572.88	-6.24	694933.76	384414.45	32°03'19.111"N	103°42'14.874"W	0.00	
10627.00†	90.001	359.773	9200.05	1672.89	1672.88	-6.64	694933.36	384514.44	32°03'20.101"N	103°42'14.871"W	0.00	
10727.00†	90.001	359.773	9200.05	1772.89	1772.88	-7.04	694932.96	384614.44	32°03'21.091"N	103°42'14.869"W	0.00	
10827.00†	90.001	359.773	9200.05	1872.89	1872.88	-7.43	694932.56	384714.43	32°03'22.080"N	103°42'14.867"W	0.00	
10927.00†	90.001	359.773	9200.05	1972.89	1972.88	-7.83	694932.17	384814.42	32°03'23.070"N	103°42'14.865"W	0.00	
11027.00†	90.001	359.773	9200.05	2072.89	2072.88	-8.23	694931.77	384914.42	32°03'24.059"N	103°42'14.863"W	0.00	
11127.00†	90.001	359.773	9200.04	2172.89	2172.88	-8.63	694931.37	385014.41	32°03'25.049"N	103°42'14.861"W	0.00	
11227.00†	90.001	359.773	9200.04	2272.89	2272.87	-9.02	694930.98	385114.41	32°03'26.038"N	103°42'14.858"W	0.00	
11327.00†	90.001	359.773	9200.04	2372.89	2372.87	-9.42	694930.58	385214.40	32°03'27.028"N	103°42'14.856"W	0.00	

Planned Wellpath Report

Prelim_1
Page 3 of 4

REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Lea County, NM	Well	No. 2H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 2H PWB
Facility	Red Hills West 8 Fed Com No. 2H		

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
11427.00†	90.001	359.773	9200.04	2472.89	2472.87	-9.82	694930.18	385314.40	32°03'28.018"N	103°42'14.854"W	0.00	
11527.00†	90.001	359.773	9200.04	2572.89	2572.87	-10.21	694929.79	385414.39	32°03'29.007"N	103°42'14.852"W	0.00	
11627.00†	90.001	359.773	9200.04	2672.89	2672.87	-10.61	694929.39	385514.38	32°03'29.997"N	103°42'14.850"W	0.00	
11727.00†	90.001	359.773	9200.03	2772.89	2772.87	-11.01	694928.99	385614.38	32°03'30.986"N	103°42'14.848"W	0.00	
11827.00†	90.001	359.773	9200.03	2872.89	2872.87	-11.40	694928.60	385714.37	32°03'31.976"N	103°42'14.846"W	0.00	
11927.00†	90.001	359.773	9200.03	2972.89	2972.87	-11.80	694928.20	385814.37	32°03'32.965"N	103°42'14.843"W	0.00	
12027.00†	90.001	359.773	9200.03	3072.89	3072.87	-12.20	694927.80	385914.36	32°03'33.955"N	103°42'14.841"W	0.00	
12127.00†	90.001	359.773	9200.03	3172.89	3172.87	-12.60	694927.40	386014.36	32°03'34.945"N	103°42'14.839"W	0.00	
12227.00†	90.001	359.773	9200.02	3272.89	3272.87	-12.99	694927.01	386114.35	32°03'35.934"N	103°42'14.837"W	0.00	
12327.00†	90.001	359.773	9200.02	3372.89	3372.87	-13.39	694926.61	386214.34	32°03'36.924"N	103°42'14.835"W	0.00	
12427.00†	90.001	359.773	9200.02	3472.89	3472.87	-13.79	694926.21	386314.34	32°03'37.913"N	103°42'14.833"W	0.00	
12527.00†	90.001	359.773	9200.02	3572.89	3572.86	-14.18	694925.82	386414.33	32°03'38.903"N	103°42'14.830"W	0.00	
12627.00†	90.001	359.773	9200.02	3672.89	3672.86	-14.58	694925.42	386514.33	32°03'39.892"N	103°42'14.828"W	0.00	
12727.00†	90.001	359.773	9200.02	3772.89	3772.86	-14.98	694925.02	386614.32	32°03'40.882"N	103°42'14.826"W	0.00	
12827.00†	90.001	359.773	9200.01	3872.89	3872.86	-15.37	694924.63	386714.32	32°03'41.872"N	103°42'14.824"W	0.00	
12927.00†	90.001	359.773	9200.01	3972.89	3972.86	-15.77	694924.23	386814.31	32°03'42.861"N	103°42'14.822"W	0.00	
13027.00†	90.001	359.773	9200.01	4072.89	4072.86	-16.17	694923.83	386914.30	32°03'43.851"N	103°42'14.820"W	0.00	
13127.00†	90.001	359.773	9200.01	4172.89	4172.86	-16.56	694923.43	387014.30	32°03'44.840"N	103°42'14.817"W	0.00	
13227.00†	90.001	359.773	9200.01	4272.89	4272.86	-16.96	694923.04	387114.29	32°03'45.830"N	103°42'14.815"W	0.00	
13327.00†	90.001	359.773	9200.01	4372.89	4372.86	-17.36	694922.64	387214.29	32°03'46.819"N	103°42'14.813"W	0.00	
13427.00†	90.001	359.773	9200.00	4472.89	4472.86	-17.76	694922.24	387314.28	32°03'47.809"N	103°42'14.811"W	0.00	
13527.00†	90.001	359.773	9200.00	4572.89	4572.86	-18.15	694921.85	387414.28	32°03'48.799"N	103°42'14.809"W	0.00	
13627.00†	90.001	359.773	9200.00	4672.89	4672.86	-18.55	694921.45	387514.27	32°03'49.788"N	103°42'14.807"W	0.00	
13639.63	90.001	359.773	9200.00†	4685.52	4685.49	-18.60	694921.40	387526.90	32°03'49.913"N	103°42'14.806"W	0.00	No. 2H PBHL

Planned Wellpath Report

Prelim_1
Page 4 of 4

REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Lea County, NM	Well	No. 2H
Field	(Red) Sec 8, T26S, R32E	Wellbore	No. 2H PWB
Facility	Red Hills West 8 Fed Com No. 2H		

TARGETS

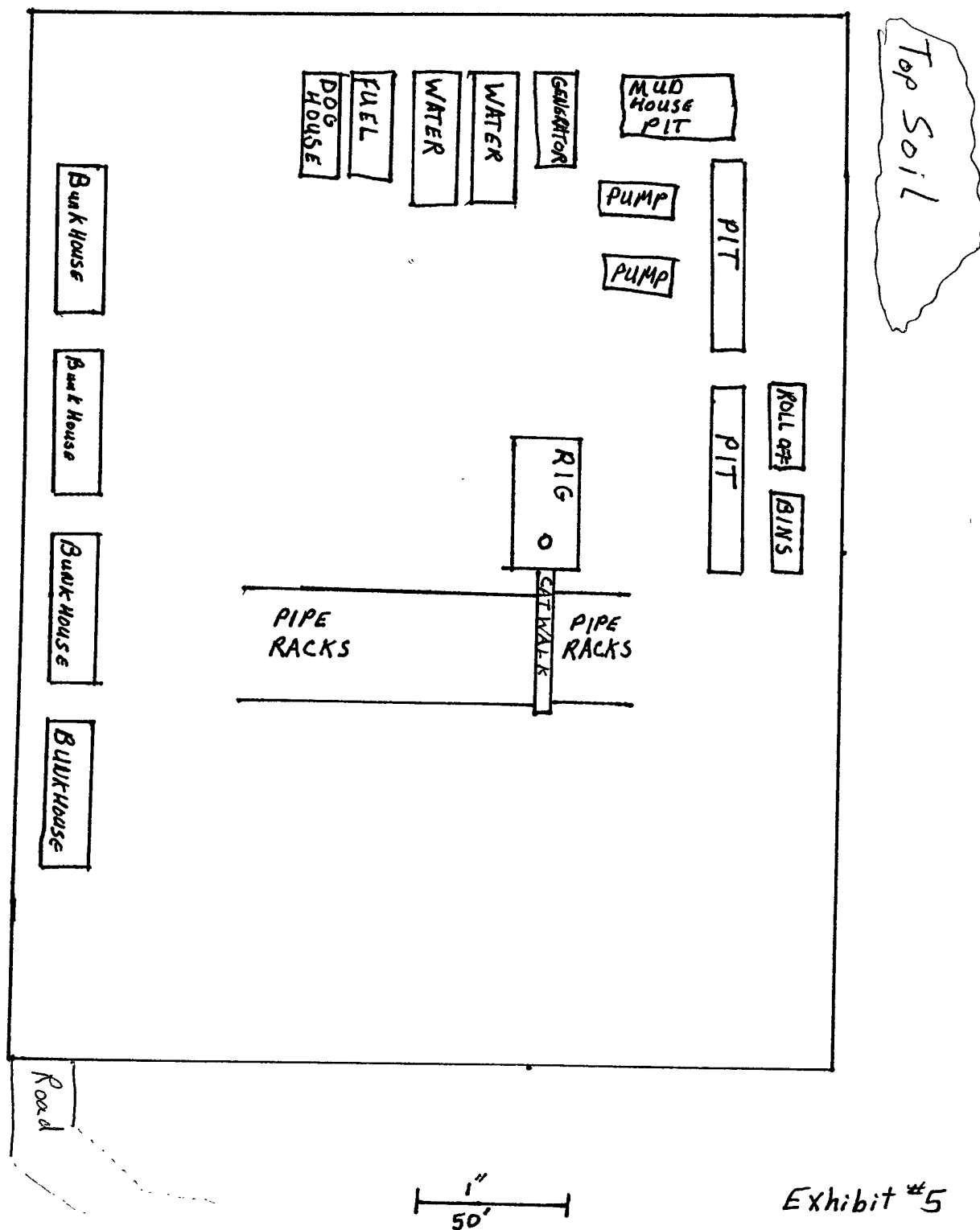
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 2H PBHL	13639.63	9200.00	4685.49	18.60	694921.40	387526.90	32°03'49.913"N	103°42'14.806"W	point

SURVEY PROGRAM Ref Wellbore: No. 2H PWB Ref Wellpath: Prelim_1

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	13639.63	NaviTrak (Standard)		No. 2H PWB

Mewbourne Oil Company
Red Hills West 8 Federal Com #2H
330' FSL & 380' FWL
Sec 8, T26S, R32E
Lea Co., NM

11



Newbourne Oil Company
Red Hills West 8 Federal Com #2 H
330' FSL & 380' FWL
Sec 8, T26S, R32E
Lea Co., NM

→ N

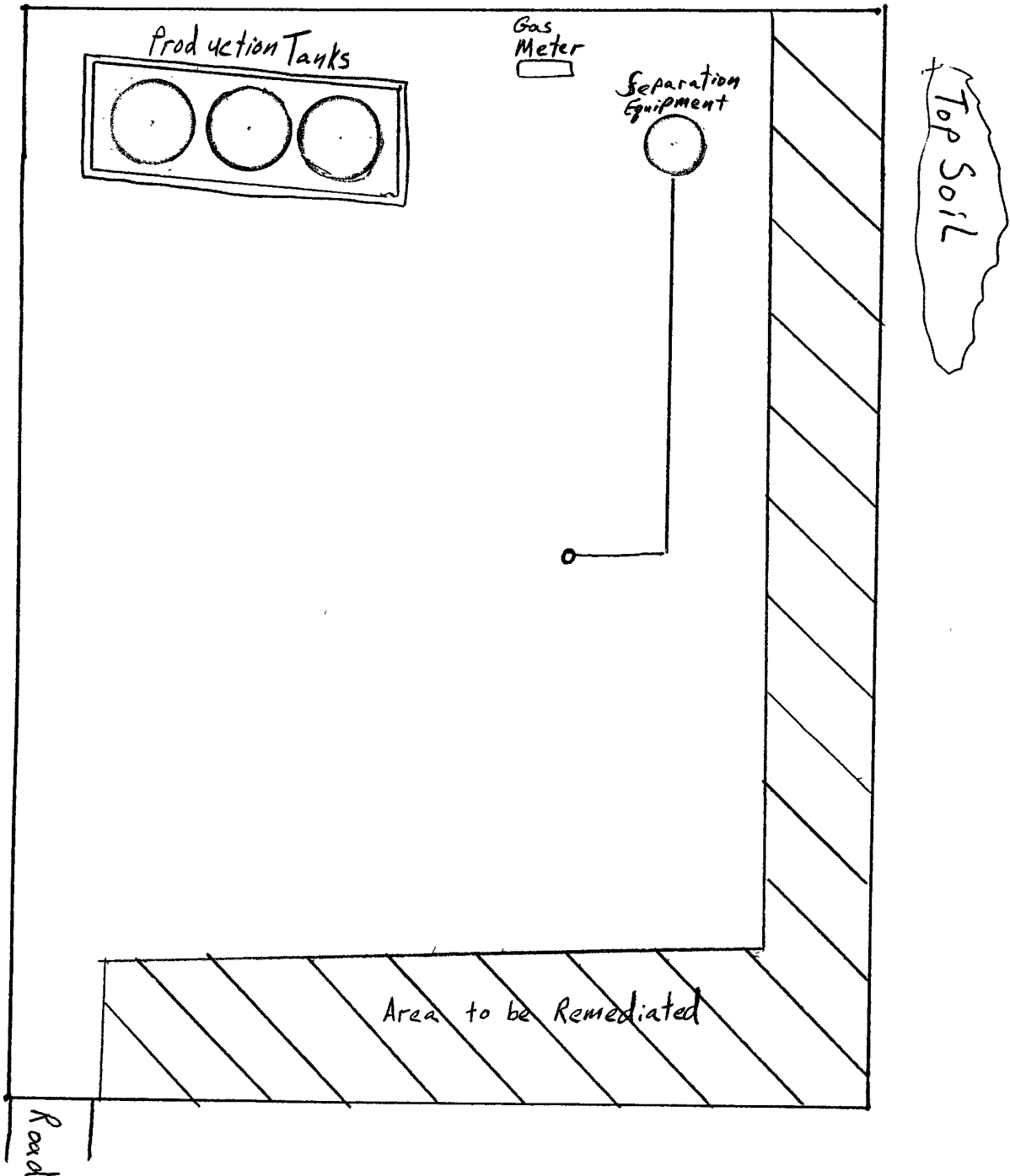


Exhibit #6

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Red Hills West 8 Federal Com #2H

330' FSL & 380' FWL (SHL)

Sec 8-T26S-R32E

Lea County, New Mexico

- 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"~~ ^{13 3/8"} casing.
- 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 Schematic for

~~12 1/4"~~ Hole

17 1/2

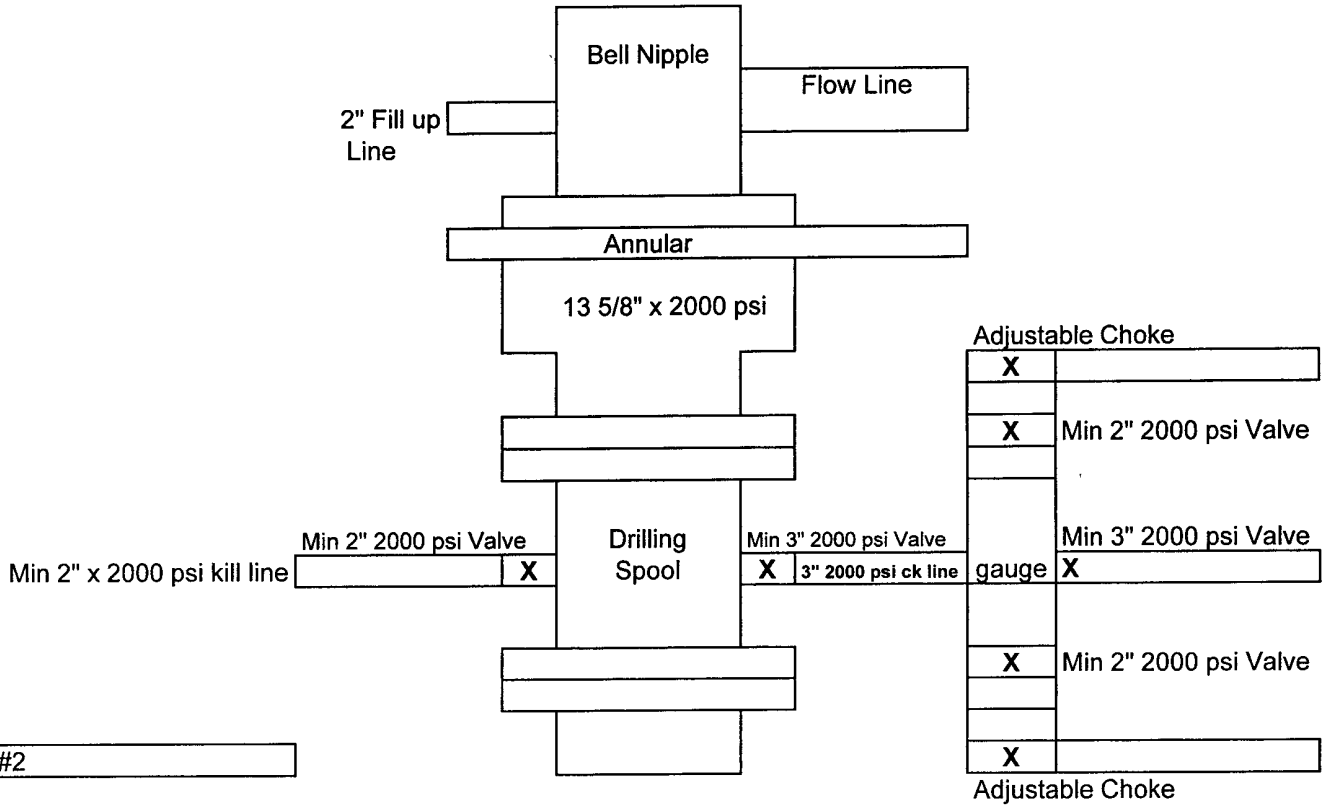


Exhibit #2

Red Hills West 8 Fed Com #2H
330' FSL & 380' FWL
Sec 8-T26S-R32E
Lea, County
New Mexico

Mewbourne Oil Company
 BOP Schematic for
 8 3/4" & 6 1/8" Hole
 12 1/4

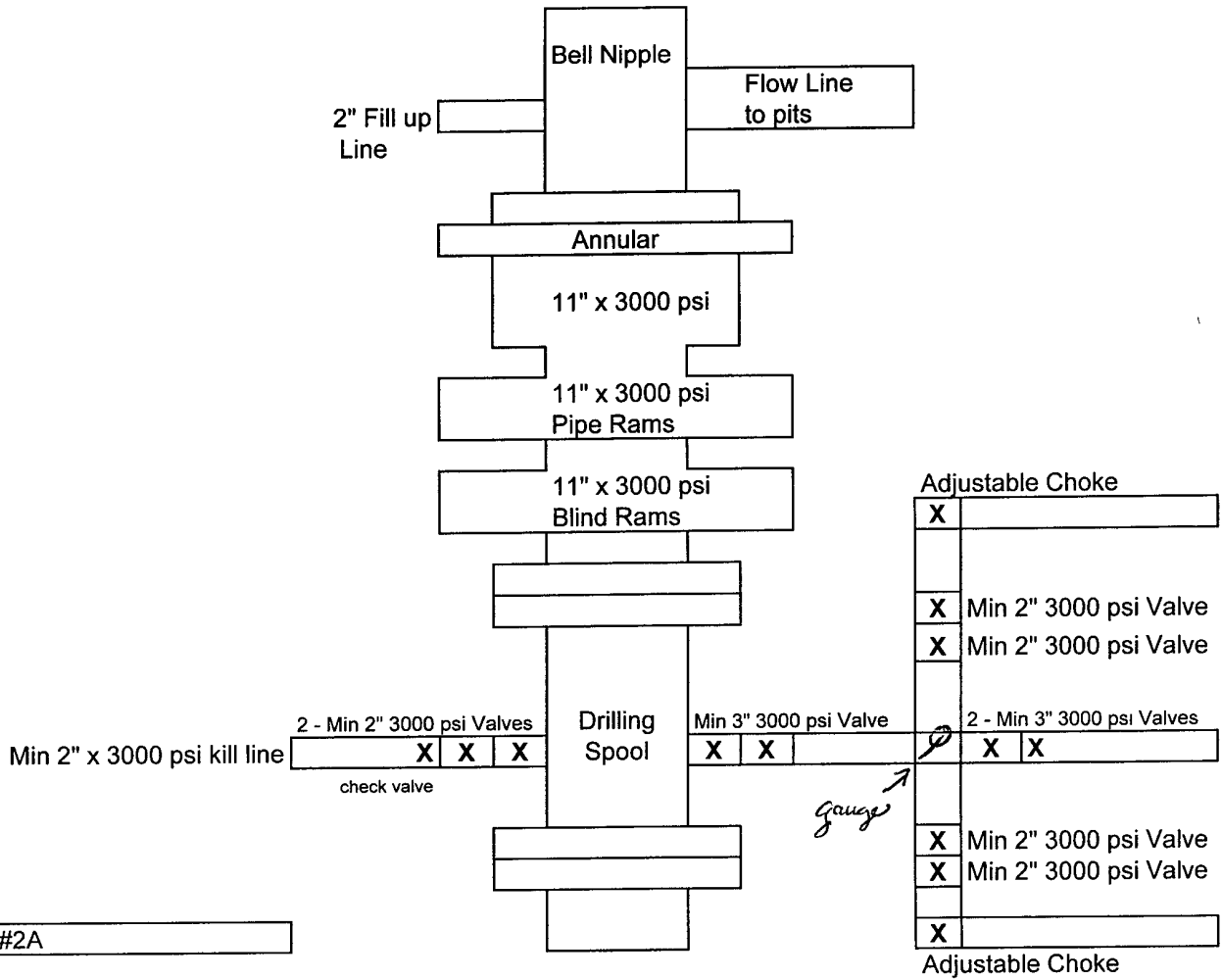
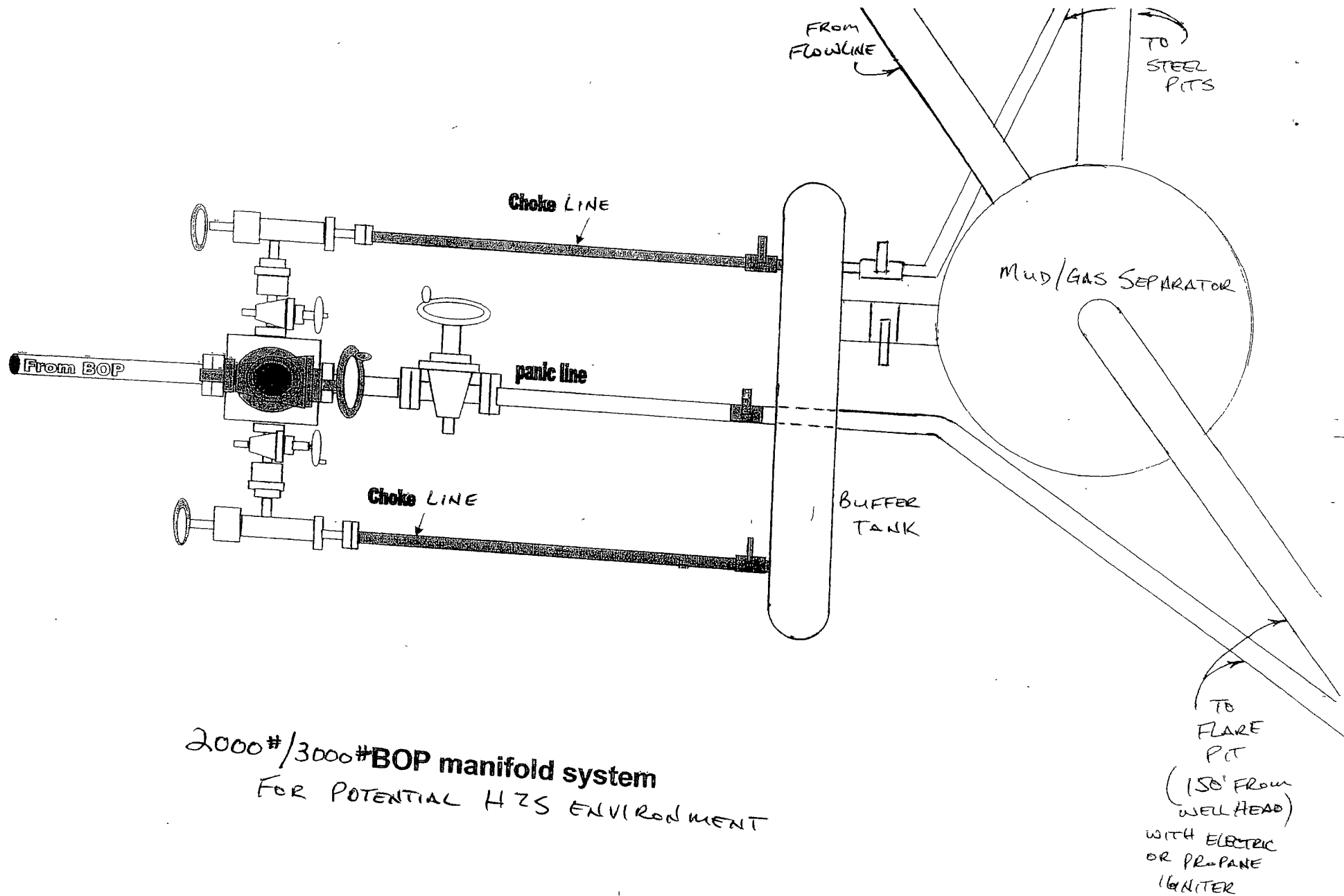


Exhibit #2A

Red Hills West 8 Fed Com #2H
 330' FSL & 380' FWL
 Sec 8-T26S-R32E
 Lea County,
 New Mexico



2000#/3000# BOP manifold system
FOR POTENTIAL H₂S ENVIRONMENT