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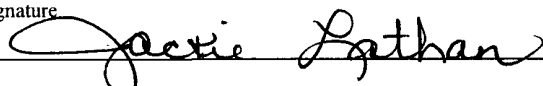
FORM APPROVED
OMB No 1004-0136
Expires January 31, 2004UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work. ☒ DRILL ☐ REENTER		5. Lease Serial No. NM-105562 (SL) NM-27507 (BH)	
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		8. Lease Name and Well No. <38320> Red Hills West 22 Fed Com #1H	
3b. Phone No. (include area code) 575-393-5905		9. API Well No. 30-025-39901	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 380' FSL & 380' FWL (SL) Unit D At proposed prod. zone 330' FSL & 380' FWL (BHL) Unit M		10. Field and Pool, or Exploratory Wildcat Bone Spring <96403>	
11. Sec., T., R., M., or Blk. and Survey or Area Sec 22 - T26S - R32E		12. County or Parish Lea	
13. State NM		14. Distance in miles and direction from nearest town or post office* 26 miles SE of Malaga NM	
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	
17. Spacing Unit dedicated to this well 160		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	
19. Proposed Depth 13725' MD 9300' TVD		20. BLM/BIA Bond No. on file NM1693, Nationwide	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3148' 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 | 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 06/30/10
Title Hobbs Regulatory		
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed) CARLSBAD FIELD OFFICE	Date SEP 14 2010
Title FIELD MANAGER		

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

KZ 9/21/10

SEE ATTACHED FOR
CONDITIONS OF APPROVALApproval Subject to General Requirements
& Special Stipulations AttachedApproval Subject to General Requirements
& Special Stipulations Attached

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

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HOBBS OIL

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-102
Revised October 15, 2009Submit 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 30-025-39901	Pool Code 964D3	Pool Name Wildcat Bone Springs
Property Code 38320	Property Name RED HILLS WEST "22" FEDERAL COM	Well Number 1H
OGRD No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3148'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	26 S	32 E		380	NORTH	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
P	22	26 S	32 E		330	South	380	West	Lea
Dedicated Acres 160	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 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> 6/30/10 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. <u>GARY L. JONES</u> Date Surveyed <u>GARY L. JONES</u> Signature & Seal of Professional Surveyor <u>GARY L. JONES</u> Professional Surveyor
	Certificate No. <u>GARY L. JONES</u> 7977
	BASIN SURVEYS

OPERATOR: Please do not report production under this temporary pool code until you have checked with the OCD District I Geologist Paul Kautz, and he confirms where your perfs are producing from and gives you the correct pool code.

Drilling Program
Mewbourne Oil Company
Red Hills West 22 Federal #1H
380' FNL & 380' FWL (SHL)
Sec 22-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 600' and cementing to surface.
Hydrocarbons Oil and gas are anticipated in the above (*) formations. These zones will be protected by casing as necessary.

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 5/8" 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

MOC proposes to drill a vertical wellbore to 9650' to log and evaluate the Bone Springs. MOC will then plug back to 8727' & kick off to horizontal @ 9300' TVD. The well will be drilled to 13695' MD (9300' 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'-600'	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'-13695' 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 Op)
9/13/2010*

B. Cementing Program:

- 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:

<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 (8700') to surface. GR from 8700' 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

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Location: Lea County, NM
Field: (Red) Sec 22, T26S, R32E
Facility: Red Hills West 22 Fed Com No. 1H

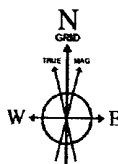
Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H PWB

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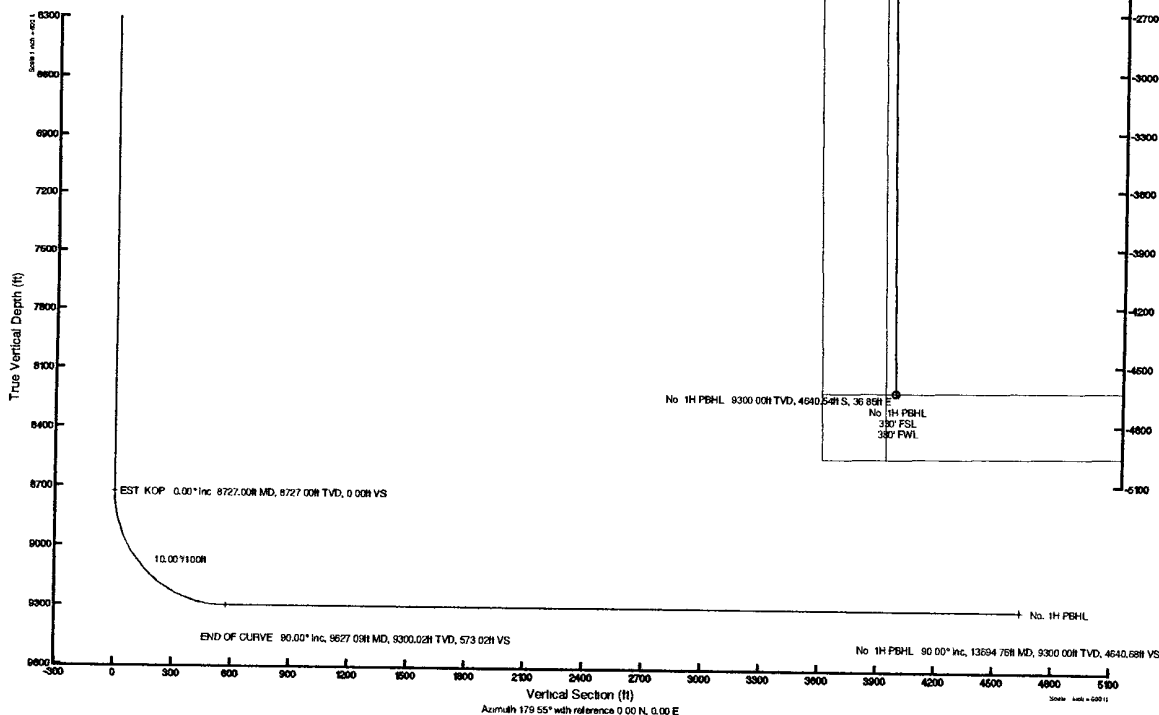


Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*100ft)
Tie On	0.00	0.000	179.545	0.00	0.00	0.00	0.00
EST KOP	8727.00	0.000	179.545	8727.00	0.00	0.00	0.00
END OF CURVE	9627.09	90.000	179.545	9300.02	-573.00	4.55	10.00
No. 1H PWB	13694.76	90.000	179.545	9300.00	-4640.54	36.85	0.00
							4640.68



BGGM (1945.0 to 2011.0) Dip: 60.03° Field: 48656.7 nT
Magnetic North is 7.77 degrees East of True North (at 9/14/2010)
Grid North is 0.35 degrees East of True North
To correct azimuth from True to Grid subtract 0.35 degrees
To correct azimuth from Magnetic to Grid add 7.42 degrees
For example: if the Magnetic North Azimuth = 30 degs, then the Grid North Azimuth = 30 + 7.42 = 37.42

Plot reference wellpath is Prim. 1	
True vertical depths are referenced to Rig on No. 1H SHL (K6)	Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (2001), US feet
Measured depths are referenced to Rig on No. 1H SHL (K6)	North Reference: Grid north
Rig on No. 1H SHL (K6) to Mean Sea Level: 3188 feet	Scale: True distance
Mean Sea Level to M.d. line (Facility: Red Hills West 22 Fed Com No. 1H): -3148 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: Victor Hernandez on 9/14/2010



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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 22, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 22 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	0.999958	Report Generated	6/14/2010 at 1:52:55 PM
Convergence at slot	0.35° 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	705650.25	376874.23	32°02'03.858"N	103°40'10.894"W
Facility Reference Pt			705650.25	376874.23	32°02'03.858"N	103°40'10.894"W
Field Reference Pt			705650.25	376874.23	32°02'03.858"N	103°40'10.894"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	3166.00ft
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	179.55°

Planned Wellpath Report

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Facility	Red Hills West 22 Fed Com No. 1H		

WELLPATH DATA (53 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	179.545	0.00	0.00	0.00	0.00	705650.25	376874.23	32°02'03.858"N	103°40'10.894"W	0.00	Tie On
8727.00	0.000	179.545	8727.00	0.00	0.00	0.00	705650.25	376874.23	32°02'03.858"N	103°40'10.894"W	0.00	EST. KOP
8827.00†	9.999	179.545	8826.49	8.70	-8.70	0.07	705650.32	376865.53	32°02'03.772"N	103°40'10.893"W	10.00	
8927.00†	19.998	179.545	8922.96	34.55	-34.55	0.27	705650.52	376839.68	32°02'03.516"N	103°40'10.893"W	10.00	
9027.00†	29.997	179.545	9013.48	76.75	-76.75	0.61	705650.86	376797.48	32°02'03.099"N	103°40'10.892"W	10.00	
9127.00†	39.996	179.545	9095.30	134.03	-134.03	1.06	705651.31	376740.21	32°02'02.532"N	103°40'10.891"W	10.00	
9227.00†	49.995	179.545	9165.92	204.65	-204.64	1.63	705651.88	376669.60	32°02'01.833"N	103°40'10.889"W	10.00	
9327.00†	59.994	179.545	9223.22	286.46	-286.45	2.27	705652.52	376587.80	32°02'01.024"N	103°40'10.888"W	10.00	
9427.00†	69.993	179.545	9265.43	376.97	-376.95	2.99	705653.24	376497.29	32°02'00.128"N	103°40'10.886"W	10.00	
9527.00†	79.992	179.545	9291.30	473.43	-473.42	3.76	705654.01	376400.83	32°01'59.173"N	103°40'10.884"W	10.00	
9627.00†	89.991	179.545	9300.02	572.93	-572.91	4.55	705654.80	376301.35	32°01'58.189"N	103°40'10.882"W	10.00	
9627.09	90.000	179.545	9300.02	573.02	-573.00	4.55	705654.80	376301.26	32°01'58.188"N	103°40'10.882"W	10.00	END OF CURVE
9727.00†	90.000	179.545	9300.01	672.93	-672.90	5.34	705655.59	376201.36	32°01'57.199"N	103°40'10.880"W	0.00	
9827.00†	90.000	179.545	9300.01	772.93	-772.90	6.14	705656.39	376101.36	32°01'56.210"N	103°40'10.877"W	0.00	
9927.00†	90.000	179.545	9300.01	872.93	-872.90	6.93	705657.18	376001.37	32°01'55.220"N	103°40'10.875"W	0.00	
10027.00†	90.000	179.545	9300.01	972.93	-972.89	7.73	705657.98	375901.38	32°01'54.231"N	103°40'10.873"W	0.00	
10127.00†	90.000	179.545	9300.01	1072.93	-1072.89	8.52	705658.77	375801.39	32°01'53.241"N	103°40'10.871"W	0.00	
10227.00†	90.000	179.545	9300.01	1172.93	-1172.89	9.31	705659.56	375701.39	32°01'52.251"N	103°40'10.869"W	0.00	
10327.00†	90.000	179.545	9300.01	1272.93	-1272.88	10.11	705660.36	375601.40	32°01'51.262"N	103°40'10.867"W	0.00	
10427.00†	90.000	179.545	9300.01	1372.93	-1372.88	10.90	705661.15	375501.41	32°01'50.272"N	103°40'10.865"W	0.00	
10527.00†	90.000	179.545	9300.01	1472.93	-1472.88	11.70	705661.95	375401.42	32°01'49.283"N	103°40'10.863"W	0.00	
10627.00†	90.000	179.545	9300.01	1572.93	-1572.88	12.49	705662.74	375301.42	32°01'48.293"N	103°40'10.861"W	0.00	
10727.00†	90.000	179.545	9300.01	1672.93	-1672.87	13.28	705663.53	375201.43	32°01'47.303"N	103°40'10.859"W	0.00	
10827.00†	90.000	179.545	9300.01	1772.93	-1772.87	14.08	705664.33	375101.44	32°01'46.314"N	103°40'10.857"W	0.00	
10927.00†	90.000	179.545	9300.01	1872.93	-1872.87	14.87	705665.12	375001.45	32°01'45.324"N	103°40'10.854"W	0.00	
11027.00†	90.000	179.545	9300.01	1972.93	-1972.86	15.67	705665.92	374901.45	32°01'44.335"N	103°40'10.852"W	0.00	
11127.00†	90.000	179.545	9300.01	2072.93	-2072.86	16.46	705666.71	374801.46	32°01'43.345"N	103°40'10.850"W	0.00	
11227.00†	90.000	179.545	9300.01	2172.93	-2172.86	17.26	705667.50	374701.47	32°01'42.356"N	103°40'10.848"W	0.00	
11327.00†	90.000	179.545	9300.01	2272.93	-2272.85	18.05	705668.30	374601.48	32°01'41.366"N	103°40'10.846"W	0.00	
11427.00†	90.000	179.545	9300.01	2372.93	-2372.85	18.84	705669.09	374501.49	32°01'40.376"N	103°40'10.844"W	0.00	

Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

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Facility	Red Hills West 22 Fed Com No. 1H		

WELLPATH DATA (53 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
11527.00†	90.000	179.545	9300.01	2472.93	-2472.85	19.64	705669.89	374401.49	32°01'39.387"N	103°40'10.842"W	0.00	
11627.00†	90.000	179.545	9300.01	2572.93	-2572.84	20.43	705670.68	374301.50	32°01'38.397"N	103°40'10.840"W	0.00	
11727.00†	90.000	179.545	9300.01	2672.93	-2672.84	21.23	705671.47	374201.51	32°01'37.408"N	103°40'10.838"W	0.00	
11827.00†	90.000	179.545	9300.01	2772.93	-2772.84	22.02	705672.27	374101.52	32°01'36.418"N	103°40'10.836"W	0.00	
11927.00†	90.000	179.545	9300.01	2872.93	-2872.83	22.81	705673.06	374001.52	32°01'35.429"N	103°40'10.834"W	0.00	
12027.00†	90.000	179.545	9300.01	2972.93	-2972.83	23.61	705673.86	373901.53	32°01'34.439"N	103°40'10.832"W	0.00	
12127.00†	90.000	179.545	9300.01	3072.93	-3072.83	24.40	705674.65	373801.54	32°01'33.449"N	103°40'10.829"W	0.00	
12227.00†	90.000	179.545	9300.01	3172.93	-3172.83	25.20	705675.45	373701.55	32°01'32.460"N	103°40'10.827"W	0.00	
12327.00†	90.000	179.545	9300.01	3272.93	-3272.82	25.99	705676.24	373601.55	32°01'31.470"N	103°40'10.825"W	0.00	
12427.00†	90.000	179.545	9300.00	3372.93	-3372.82	26.78	705677.03	373501.56	32°01'30.481"N	103°40'10.823"W	0.00	
12527.00†	90.000	179.545	9300.00	3472.93	-3472.82	27.58	705677.83	373401.57	32°01'29.491"N	103°40'10.821"W	0.00	
12627.00†	90.000	179.545	9300.00	3572.93	-3572.81	28.37	705678.62	373301.58	32°01'28.502"N	103°40'10.819"W	0.00	
12727.00†	90.000	179.545	9300.00	3672.93	-3672.81	29.17	705679.42	373201.58	32°01'27.512"N	103°40'10.817"W	0.00	
12827.00†	90.000	179.545	9300.00	3772.93	-3772.81	29.96	705680.21	373101.59	32°01'26.522"N	103°40'10.815"W	0.00	
12927.00†	90.000	179.545	9300.00	3872.93	-3872.80	30.75	705681.00	373001.60	32°01'25.533"N	103°40'10.813"W	0.00	
13027.00†	90.000	179.545	9300.00	3972.93	-3972.80	31.55	705681.80	372901.61	32°01'24.543"N	103°40'10.811"W	0.00	
13127.00†	90.000	179.545	9300.00	4072.93	-4072.80	32.34	705682.59	372801.61	32°01'23.554"N	103°40'10.809"W	0.00	
13227.00†	90.000	179.545	9300.00	4172.93	-4172.79	33.14	705683.39	372701.62	32°01'22.564"N	103°40'10.806"W	0.00	
13327.00†	90.000	179.545	9300.00	4272.93	-4272.79	33.93	705684.18	372601.63	32°01'21.575"N	103°40'10.804"W	0.00	
13427.00†	90.000	179.545	9300.00	4372.93	-4372.79	34.73	705684.97	372501.64	32°01'20.585"N	103°40'10.802"W	0.00	
13527.00†	90.000	179.545	9300.00	4472.93	-4472.78	35.52	705685.77	372401.64	32°01'19.595"N	103°40'10.800"W	0.00	
13627.00†	90.000	179.545	9300.00	4572.93	-4572.78	36.31	705686.56	372301.65	32°01'18.606"N	103°40'10.798"W	0.00	
13694.76	90.000	179.545	9300.00 ¹	4640.68	-4640.54	36.85	705687.10	372233.90	32°01'17.935"N	103°40'10.797"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 22, T26S, R32E	Wellbore	No. 1H PWB
Facility	Red Hills West 22 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	13694.76	9300.00	-4640.54	36.85	705687.10	372233.90	32°01'17.935"N	103°40'10.797"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	13694.76	NaviTrak (Standard)		No. 1H PWB

Exhibit # 5

SUBJECT Red Hills West 22 Federal #1 H

LOCATION 380' FNL $\frac{1}{2}$, 380' FWL Sec 22 T-26S R-32E Len Co. N.M.

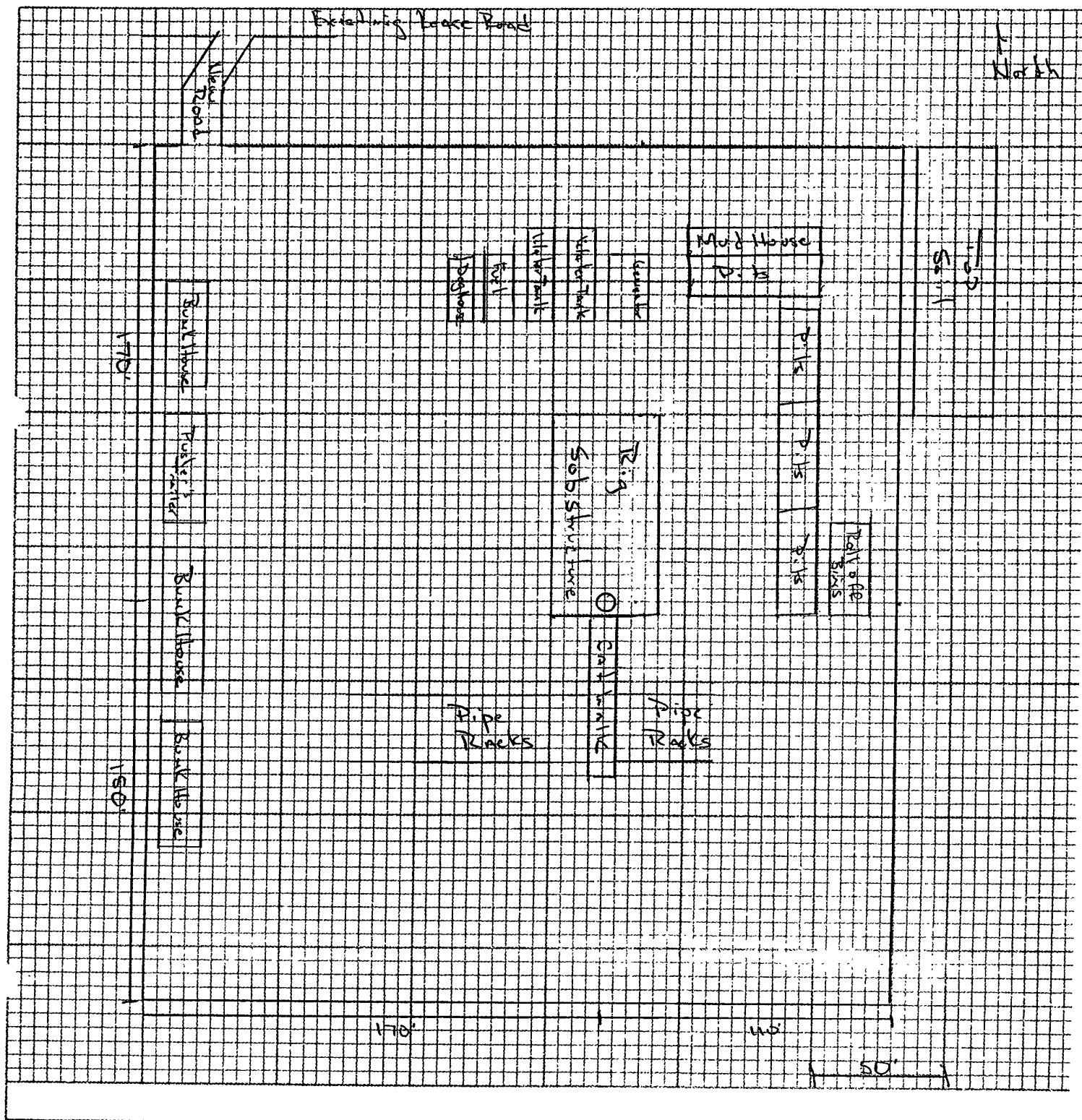


Exhibit 5

COMPANY Mexbourne Oil Company

Exhibit # 6

SUBJECT Red Hills West 22 Federal #111

LOCATION 380' FNL $\frac{1}{2}$ 380' FDL Sec. 22 T-26S R-32E

Lea County, NM

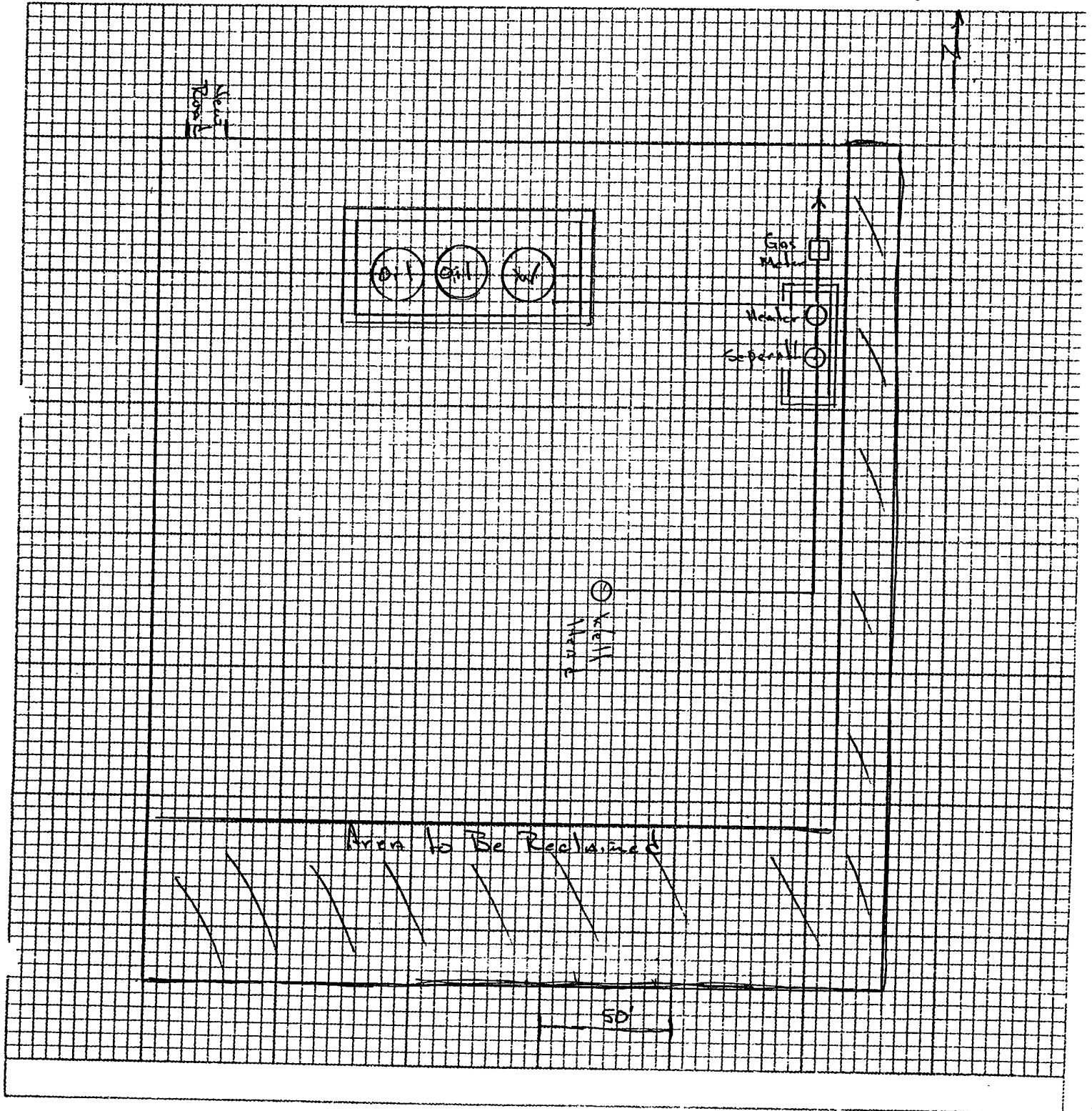


Exhibit 6

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Red Hills West 22 Federal Com #1H

380' FNL & 380' FWL (SHL)

Sec 22-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 $9\frac{5}{8}"$ casing and 3000 psi working pressure on $7\frac{1}{8}"$ $13\frac{3}{8}"$
- 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 an 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

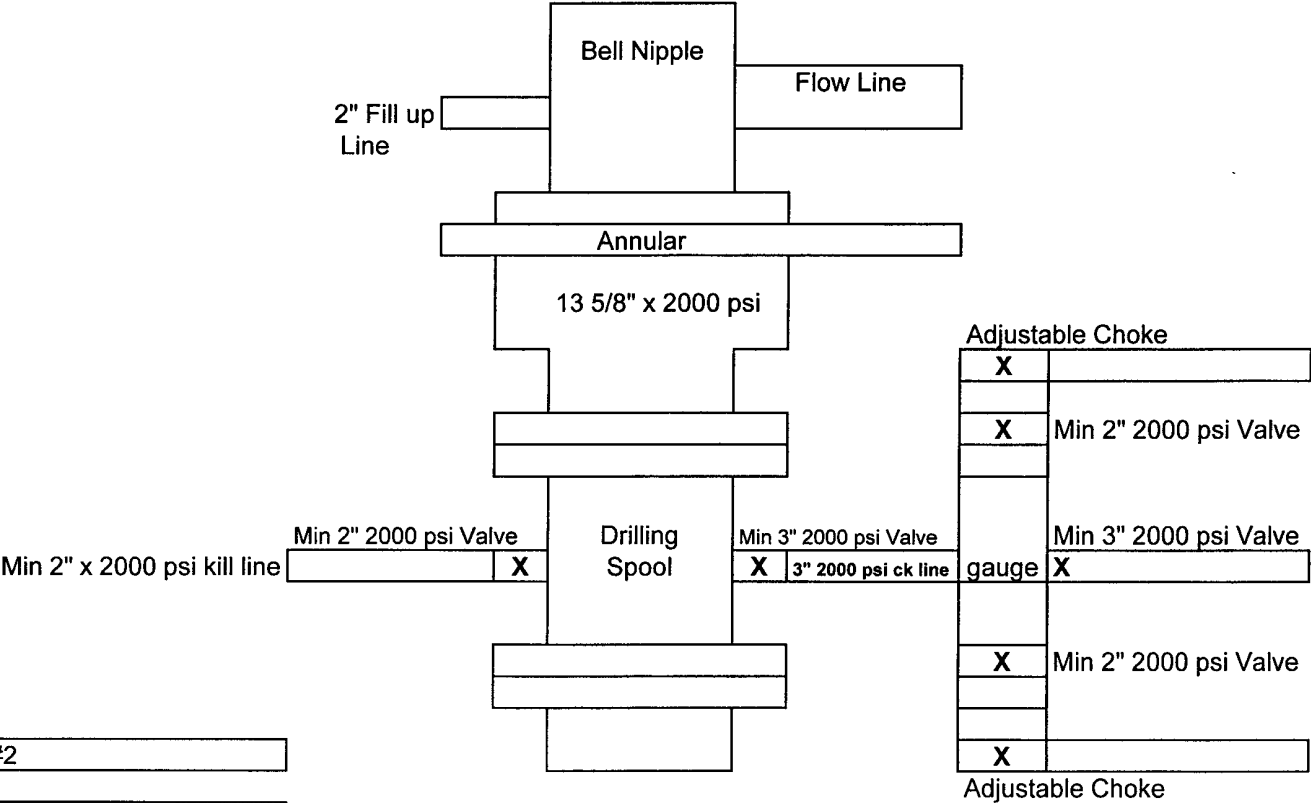


Exhibit #2

Red Hills West 22 Fed Com #1H
380' FNL & 380' FWL
Sec 22-T26S-R32E
Lea, County
New Mexico

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

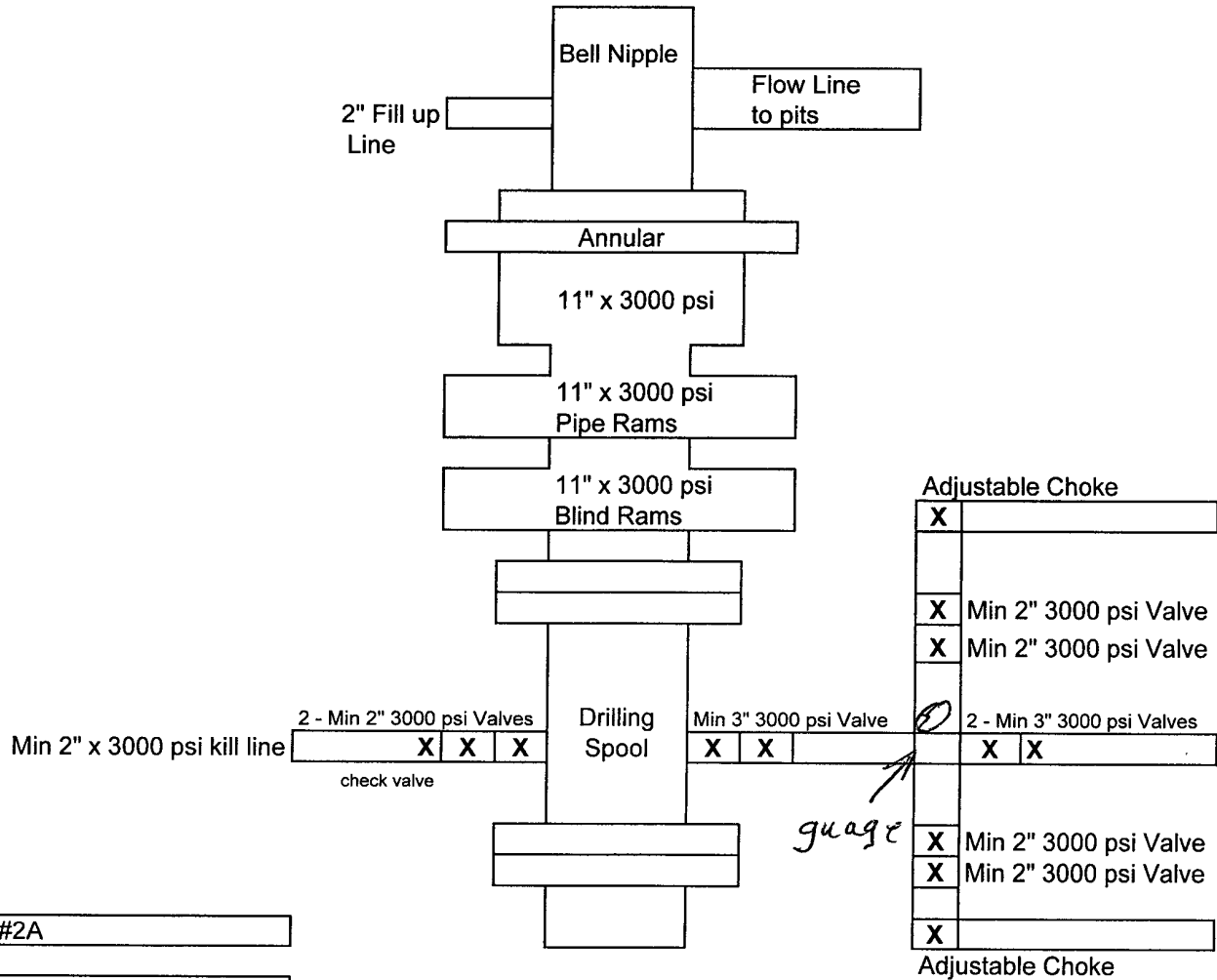
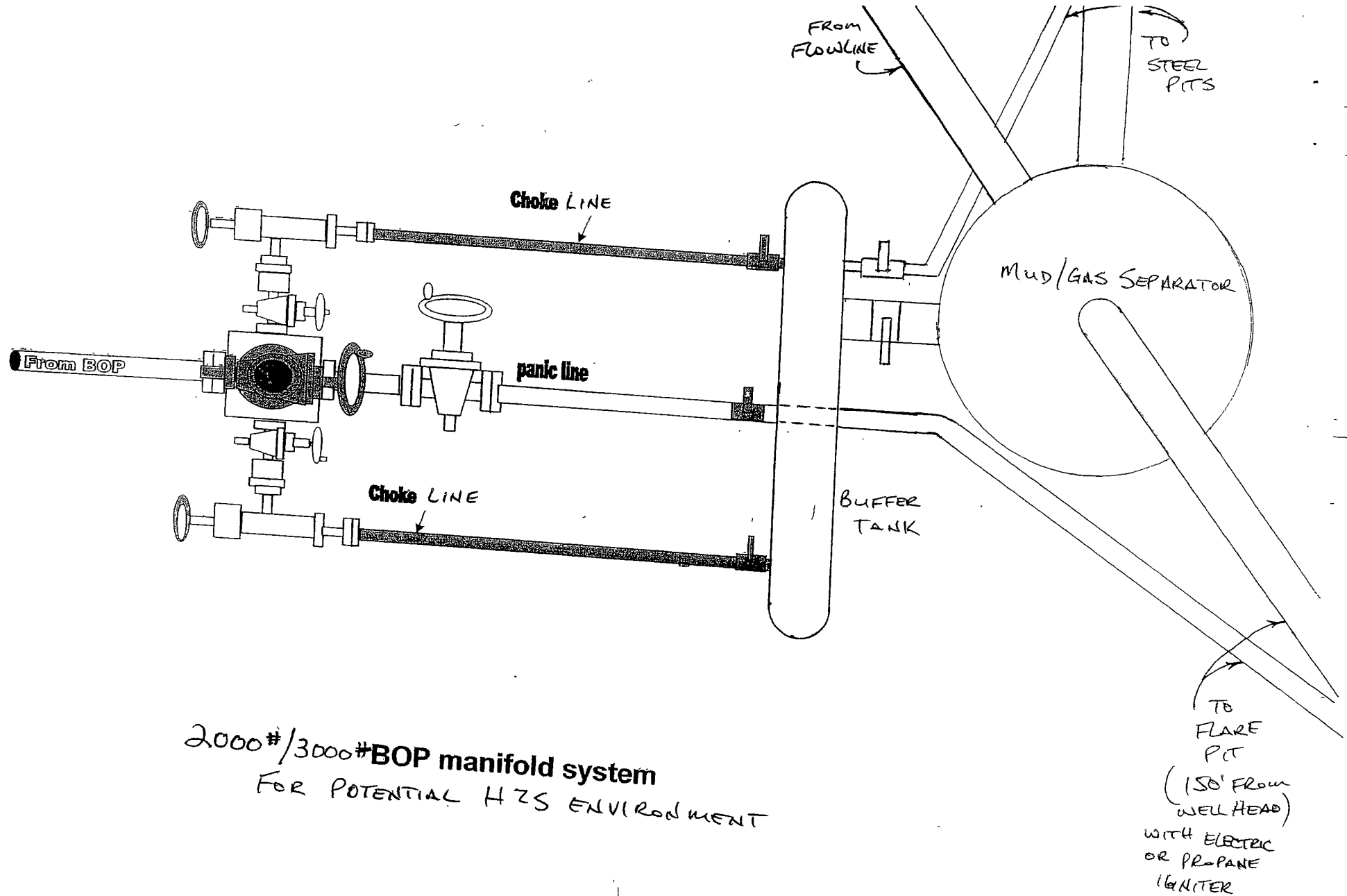


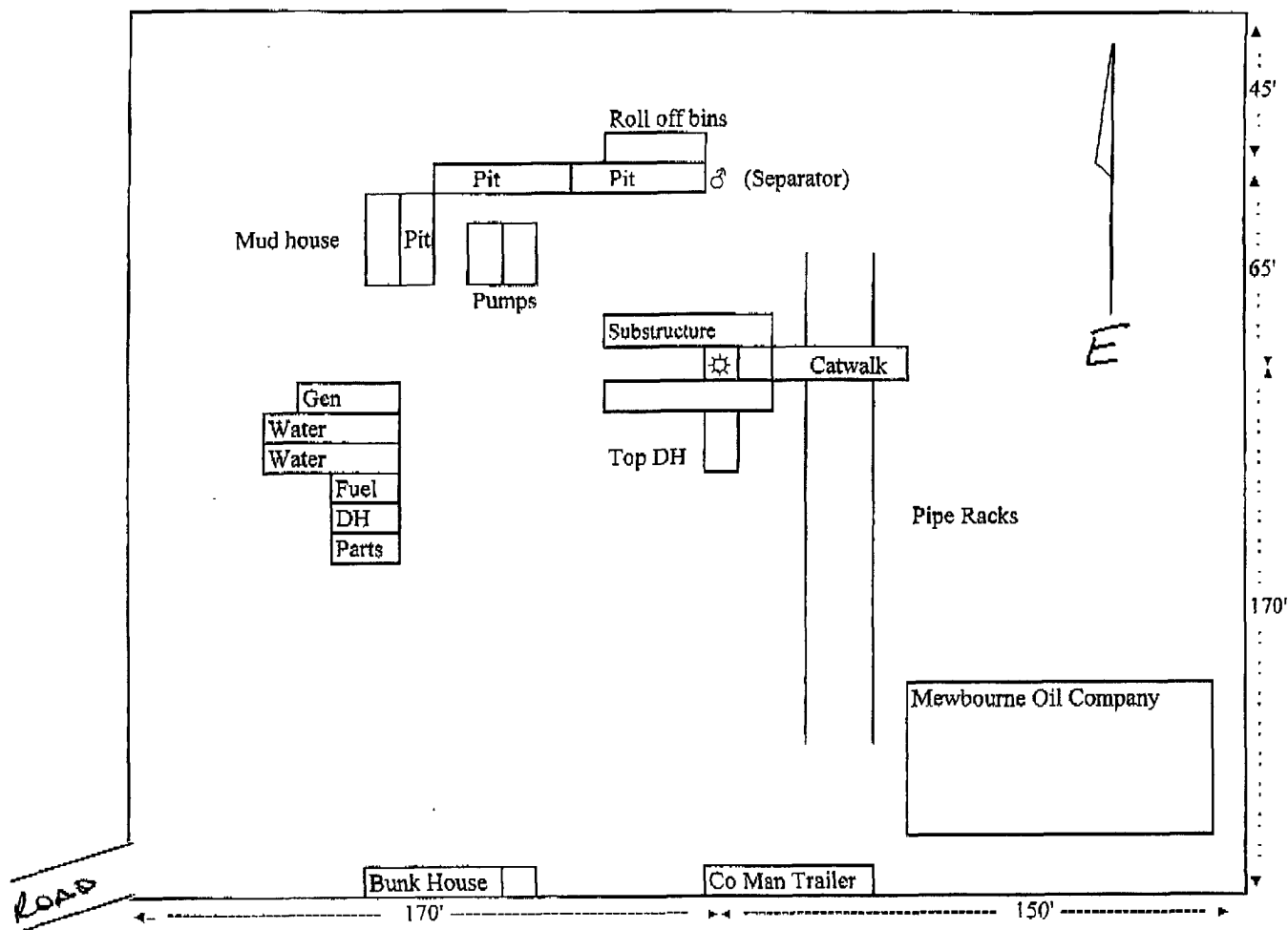
Exhibit #2A

Red Hills West 22 Fed Com #1H
380' FNL & 380' FWL
Sec 22-T26S-R32E
Lea County,
New Mexico



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

Closed Loop Pad Dimensions 280' x 320'



Red Hills 22 Fed Com 1H
 Sec 22, T26S, R32E
 380' FNL + 380' FWL
 Lea, Co., NM

Bureau of Land Management
 RECEIVED

JUN 16 2010

Carlsbad Field Office
 Carlsbad, N.M.