

OCD-ARTESIA

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

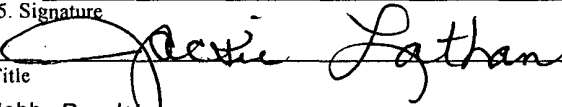
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER		SECRETARY'S POTASH	
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 regulations) At surface 660' FSL & 1260' FWL (SL) Unit M At proposed prod. zone 330' FSL & 330' FWL (BHL) Unit M, Sec 7, T19S, R30E			
14. Distance in miles and direction from nearest town or post office* 9 miles SE of Loco Hills, NM			
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'		16. No. of Acres in lease 77	
17. Spacing Unit dedicated to this well 160		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 987'	
19. Proposed Depth 13633' MD		20. BLM/BIA Bond No. on file NM1693, Nationwide	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3395' 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 	Name (Printed/Typed) Jackie Lathan	Date 09/22/10
Title Hobbs Regulatory		
Approved by (Signature) /s/ Linda S.C. Rundell	Name (Printed/Typed)	Date JAN 4 2011
Title STATE DIRECTOR		Office NM STATE 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.

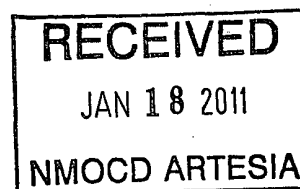
Conditions of approval, if any, are attached.

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





Approval Subject to General Requirements
& Special Stipulations Attached

Capitan Controlled Water Basin



Drilling Program
Mewbourne Oil Company
 Zircon "7" Federal #1H
 660' FSL & 1260' FWL (SHL)
 Sec 6-T19S-R30E
 Eddy County, New Mexico

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

Rustler	320'
Top Salt	425'
Base Salt	1025'
Yates	1450'
*Queen	2250'
*Delaware	3950'
*Bone Springs Lime	4700'

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

Water	Fresh water will be protected by setting surface casing at ^{300'} 345' 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:

Minimum 13 5/8" BOP
 A 2000# WP Annular will be installed after running 13 5/8" casing. A 3000# WP Double Ram BOP and 2000# WP Annular will be installed after running 7" & 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. BOPE 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 7" BOPE to 3000# and the 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.

4. MOC proposes to drill a vertical wellbore to 7613' & kick off to horizontal @ 8185' TVD. The well will be drilled to 13633' MD (8257' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft.</u>	<u>Grade</u>	<u>Depth</u>	<u>Jt Type</u>
17 1/2"	13 3/8"	48#	H40	0'-345' ^{300'}	ST&C
12 1/4"	9 5/8" (new)	36#	J55	0'-1550' ^{1450'}	LT&C
8 3/4"	7" (new)	26#	P110	0'-7600' MD	LT&C
8 3/4"	7" (new)	26#	P110	7600'-8500' MD	BT&C
6 1/8"	4 1/2" (new)	11.6#	P110	8300'-13200' MD	LT&C

See COA
 Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8.
 *Subject to availability of casing.

B. Cementing Program:

- i. *See COA* Surface Casing: 225 sks Class C cement containing 2% CaCl. Yield at 1.34 cuft/sk. Cmt circulated to surface.
- ii. Intermediate Casing: 200sacks Class C light cement with additives. Yield at 2.12 cuft/sk. 200 sacks Class C cement Containing FLA. Yield at 1.18 cuft/sk Cmt circulated to surface.
- iii. Production Casing: 600 sacks Class H light cement with additives. Yield at 2.12 cuft/sk. 400 sacks Class H cement Containing FLA. Yield at 1.18 cuft/sk Cmt circulated to surface.
- iv. Production Liner: This will be a Packer/Port completion from TD up inside 7" casing with packer type liner hanger. A lease line open-hole packer will be placed 330' FNL of sec 7 at approx. 8950' MD

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

6. Mud Program: *See COA*

Interval	Type System	Weight	Viscosity	Fluid Loss
0'-345' <i>300</i>	FW spud mud	8.6-9.0	32-34	NA
<i>300</i> 345'-1550' <i>1450</i>	Brine water	10.0-10.2	28-30	NA
<i>1450</i> 1550'- TD	FW w/Polymer	8.5-8.7	32-35	15

7. Evaluation Program:

See COA
Samples: 10' samples from surface casing to TD
Logging: GR & Gyro from KOP -100' (7513') to surface. GR from 7513' 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

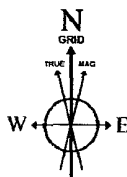
9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 40 days involved in drilling operations and an additional 10 days involved in completion operations on the project.

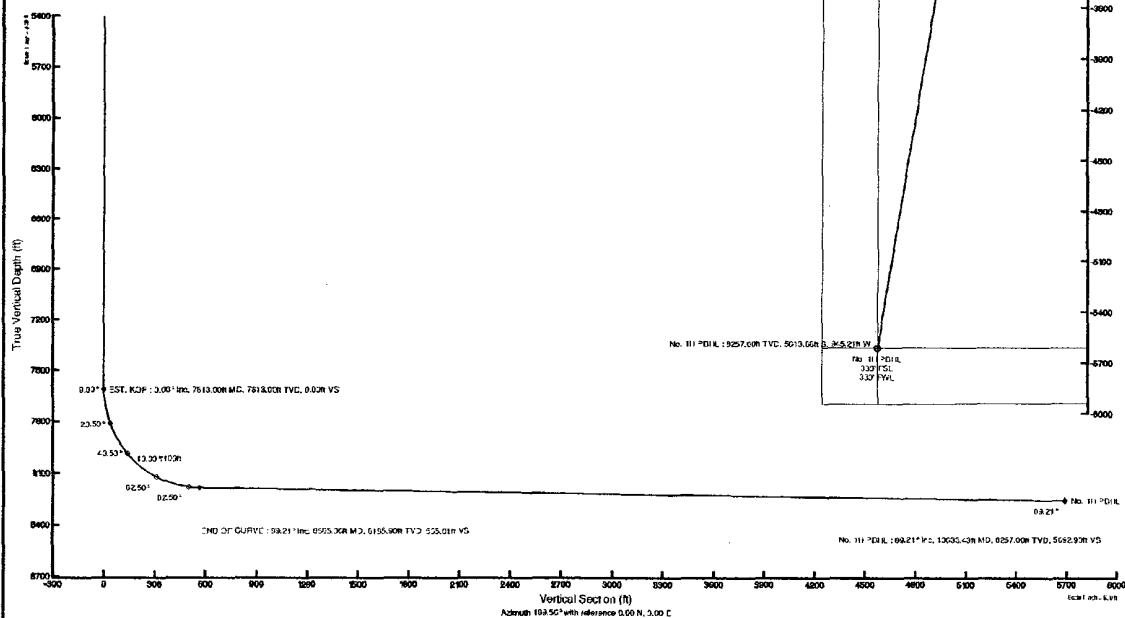
Location:	Eddy County, NM	Slot:	No. 1H SHL
Field:	(Zircon) Sec 6, T19S, R30E	Well:	No. 1H
Facility:	Zircon 7 Fed No. 1H	Wellbore:	No. 1H PWB

 Mewbourne Oil Company

First distance within 1 Meter 1 Two points equally as distances to Rig 24 km. LH 594, (10) Maximum depth as referenced to Bay on the W- 19- 54, (10) Rig 24 km. LH 594, (10) to Above Sea Level, 3415 feet Mean Sea Level included 1 m. Facies 27 cm / Feet 10. - 3440 feet Coordinates are 1 feet reference to S 8	Grid Between, 44577 - The New Mexico State Plane, Easton Zone 33301, US feet North Reference, Site north Scale 2:1 distance Depth are in feet Checked by Victor Hernandez on 01/15/2016
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BGGM (1945.0 to 2011.0) Dip: 60.57° Field: 48985.9 nT
Magnetic North is 7.95 degrees East of True North (at 9/15/2010)
Grid North is 0.17 degrees East of True North
To correct azimuth from True to Grid subtract 0.17 degrees
To correct azimuth from Magnetic to Grid add 7.78 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = $90 + 7.78 = 97.78$



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 6, T19S, R30E	Wellbore	No. 1H PWB
Facility	Zircon 7 Fed 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	0.99992	Report Generated	9/16/2010 at 2:08:42 PM
Convergence at slot	0.17° 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	597921.53	612681.12	32°41'02.242"N	104°00'54.243"W
Facility Reference Pt			597921.53	612681.12	32°41'02.242"N	104°00'54.243"W
Field Reference Pt			597921.53	612681.12	32°41'02.242"N	104°00'54.243"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 1H SHL (KB) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (KB) to Mean Sea Level	3413.00ft
Vertical Reference Pt	Rig on No. 1H SHL (KB)	Facility Vertical Datum 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	189.56°

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Field	(Zircon) Sec 6, T19S, R30E	Wellbore	No. 1H PWB
Facility	Zircon 7 Fed No. 1H		

WELLPATH DATA (65 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	189.557	0.00	0.00	0.00	0.00	597921.53	612681.12	32°41'02.242"N	104°00'54.243"W	0.00	
18.00	0.000	189.557	18.00	0.00	0.00	0.00	597921.53	612681.12	32°41'02.242"N	104°00'54.243"W	0.00	Tie On
7613.00	0.000	189.557	7613.00	0.00	0.00	0.00	597921.53	612681.12	32°41'02.242"N	104°00'54.243"W	0.00	EST. KOP
7713.00†	10.000	189.557	7712.49	8.70	-8.58	-1.45	597920.08	612672.54	32°41'02.157"N	104°00'54.261"W	10.00	
7813.00†	20.000	189.557	7808.96	34.55	-34.07	-5.74	597915.79	612647.05	32°41'01.905"N	104°00'54.312"W	10.00	
7913.00†	30.000	189.557	7899.48	76.76	-75.70	-12.74	597908.79	612605.43	32°41'01.493"N	104°00'54.395"W	10.00	
8013.00†	40.000	189.557	7981.29	134.05	-132.19	-22.26	597899.28	612548.94	32°41'00.934"N	104°00'54.508"W	10.00	
8113.00†	50.000	189.557	8051.91	204.67	-201.83	-33.98	597887.55	612479.31	32°41'00.246"N	104°00'54.648"W	10.00	
8213.00†	60.000	189.557	8109.20	286.48	-282.50	-47.56	597873.97	612398.64	32°40'59.448"N	104°00'54.810"W	10.00	
8313.00†	70.000	189.557	8151.40	376.99	-371.76	-62.59	597858.94	612309.39	32°40'58.565"N	104°00'54.989"W	10.00	
8413.00†	80.000	189.557	8177.25	473.46	-466.89	-78.61	597842.93	612214.27	32°40'57.624"N	104°00'55.179"W	10.00	
8505.06	89.206	189.557	8185.90	565.01	-557.17	-93.81	597827.73	612123.99	32°40'56.731"N	104°00'55.360"W	10.00	END OF CURVE
8513.00†	89.206	189.557	8186.01	572.96	-565.00	-95.13	597826.41	612116.16	32°40'56.654"N	104°00'55.376"W	0.00	
8613.00†	89.206	189.557	8187.40	672.95	-663.61	-111.73	597809.81	612017.57	32°40'55.679"N	104°00'55.574"W	0.00	
8713.00†	89.206	189.557	8188.79	772.94	-762.21	-128.33	597793.21	611918.97	32°40'54.704"N	104°00'55.772"W	0.00	
8813.00†	89.206	189.557	8190.17	872.93	-860.81	-144.93	597776.61	611820.38	32°40'53.728"N	104°00'55.969"W	0.00	
8913.00†	89.206	189.557	8191.56	972.92	-959.41	-161.54	597760.01	611721.78	32°40'52.753"N	104°00'56.167"W	0.00	
9013.00†	89.206	189.557	8192.94	1072.91	-1058.02	-178.14	597743.41	611623.19	32°40'51.778"N	104°00'56.365"W	0.00	
9113.00†	89.206	189.557	8194.33	1172.90	-1156.62	-194.74	597726.81	611524.59	32°40'50.803"N	104°00'56.562"W	0.00	
9213.00†	89.206	189.557	8195.72	1272.89	-1255.22	-211.34	597710.21	611426.00	32°40'49.828"N	104°00'56.760"W	0.00	
9313.00†	89.206	189.557	8197.10	1372.88	-1353.83	-227.94	597693.61	611327.41	32°40'48.853"N	104°00'56.958"W	0.00	
9413.00†	89.206	189.557	8198.49	1472.87	-1452.43	-244.54	597677.01	611228.81	32°40'47.878"N	104°00'57.155"W	0.00	
9513.00†	89.206	189.557	8199.88	1572.86	-1551.03	-261.15	597660.40	611130.22	32°40'46.902"N	104°00'57.353"W	0.00	
9613.00†	89.206	189.557	8201.26	1672.85	-1649.63	-277.75	597643.80	611031.62	32°40'45.927"N	104°00'57.551"W	0.00	
9713.00†	89.206	189.557	8202.65	1772.84	-1748.24	-294.35	597627.20	610933.03	32°40'44.952"N	104°00'57.748"W	0.00	
9813.00†	89.206	189.557	8204.04	1872.83	-1846.84	-310.95	597610.60	610834.43	32°40'43.977"N	104°00'57.946"W	0.00	
9913.00†	89.206	189.557	8205.42	1972.82	-1945.44	-327.55	597594.00	610735.84	32°40'43.002"N	104°00'58.144"W	0.00	
10013.00†	89.206	189.557	8206.81	2072.81	-2044.04	-344.15	597577.40	610637.24	32°40'42.027"N	104°00'58.341"W	0.00	
10113.00†	89.206	189.557	8208.19	2172.80	-2142.65	-360.76	597560.80	610538.65	32°40'41.051"N	104°00'58.539"W	0.00	
10213.00†	89.206	189.557	8209.58	2272.79	-2241.25	-377.36	597544.20	610440.06	32°40'40.076"N	104°00'58.737"W	0.00	

Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 6, T19S, R30E	Wellbore	No. 1H PWB
Facility	Zircon 7 Fed No. 1H		

WELLPATH DATA (65 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
10313.00†	89.206	189.557	8210.97	2372.78	-2339.85	-393.96	597527.60	610341.46	32°40'39.101"N	104°00'58.934"W	0.00	
10413.00†	89.206	189.557	8212.35	2472.77	-2438.45	-410.56	597511.00	610242.87	32°40'38.126"N	104°00'59.132"W	0.00	
10513.00†	89.206	189.557	8213.74	2572.77	-2537.06	-427.16	597494.40	610144.27	32°40'37.151"N	104°00'59.330"W	0.00	
10613.00†	89.206	189.557	8215.13	2672.76	-2635.66	-443.77	597477.80	610045.68	32°40'36.176"N	104°00'59.527"W	0.00	
10713.00†	89.206	189.557	8216.51	2772.75	-2734.26	-460.37	597461.20	609947.08	32°40'35.201"N	104°00'59.725"W	0.00	
10813.00†	89.206	189.557	8217.90	2872.74	-2832.86	-476.97	597444.60	609848.49	32°40'34.225"N	104°00'59.923"W	0.00	
10913.00†	89.206	189.557	8219.29	2972.73	-2931.47	-493.57	597428.00	609749.89	32°40'33.250"N	104°01'00.120"W	0.00	
11013.00†	89.206	189.557	8220.67	3072.72	-3030.07	-510.17	597411.40	609651.30	32°40'32.275"N	104°01'00.318"W	0.00	
11113.00†	89.206	189.557	8222.06	3172.71	-3128.67	-526.77	597394.80	609552.71	32°40'31.300"N	104°01'00.516"W	0.00	
11213.00†	89.206	189.557	8223.44	3272.70	-3227.27	-543.38	597378.20	609454.11	32°40'30.325"N	104°01'00.713"W	0.00	
11313.00†	89.206	189.557	8224.83	3372.69	-3325.88	-559.98	597361.60	609355.52	32°40'29.350"N	104°01'00.911"W	0.00	
11413.00†	89.206	189.557	8226.22	3472.68	-3424.48	-576.58	597345.00	609256.92	32°40'28.374"N	104°01'01.109"W	0.00	
11513.00†	89.206	189.557	8227.60	3572.67	-3523.08	-593.18	597328.40	609158.33	32°40'27.399"N	104°01'01.306"W	0.00	
11613.00†	89.206	189.557	8228.99	3672.66	-3621.68	-609.78	597311.80	609059.73	32°40'26.424"N	104°01'01.504"W	0.00	
11713.00†	89.206	189.557	8230.38	3772.65	-3720.29	-626.38	597295.20	608961.14	32°40'25.449"N	104°01'01.702"W	0.00	
11813.00†	89.206	189.557	8231.76	3872.64	-3818.89	-642.99	597278.60	608862.54	32°40'24.474"N	104°01'01.899"W	0.00	
11913.00†	89.206	189.557	8233.15	3972.63	-3917.49	-659.59	597262.00	608763.95	32°40'23.499"N	104°01'02.097"W	0.00	
12013.00†	89.206	189.557	8234.54	4072.62	-4016.09	-676.19	597245.40	608665.36	32°40'22.524"N	104°01'02.294"W	0.00	
12113.00†	89.206	189.557	8235.92	4172.61	-4114.70	-692.79	597228.80	608566.76	32°40'21.548"N	104°01'02.492"W	0.00	
12213.00†	89.206	189.557	8237.31	4272.60	-4213.30	-709.39	597212.20	608468.17	32°40'20.573"N	104°01'02.690"W	0.00	
12313.00†	89.206	189.557	8238.69	4372.59	-4311.90	-725.99	597195.60	608369.57	32°40'19.598"N	104°01'02.887"W	0.00	
12413.00†	89.206	189.557	8240.08	4472.58	-4410.50	-742.60	597179.00	608270.98	32°40'18.623"N	104°01'03.085"W	0.00	
12513.00†	89.206	189.557	8241.47	4572.57	-4509.11	-759.20	597162.40	608172.38	32°40'17.648"N	104°01'03.283"W	0.00	
12613.00†	89.206	189.557	8242.85	4672.56	-4607.71	-775.80	597145.79	608073.79	32°40'16.673"N	104°01'03.480"W	0.00	
12713.00†	89.206	189.557	8244.24	4772.55	-4706.31	-792.40	597129.19	607975.19	32°40'15.697"N	104°01'03.678"W	0.00	
12813.00†	89.206	189.557	8245.63	4872.54	-4804.91	-809.00	597112.59	607876.60	32°40'14.722"N	104°01'03.876"W	0.00	
12913.00†	89.206	189.557	8247.01	4972.53	-4903.52	-825.60	597095.99	607778.00	32°40'13.747"N	104°01'04.073"W	0.00	
13013.00†	89.206	189.557	8248.40	5072.52	-5002.12	-842.21	597079.39	607679.41	32°40'12.772"N	104°01'04.271"W	0.00	
13113.00†	89.206	189.557	8249.79	5172.52	-5100.72	-858.81	597062.79	607580.82	32°40'11.797"N	104°01'04.469"W	0.00	
13213.00†	89.206	189.557	8251.17	5272.51	-5199.32	-875.41	597046.19	607482.22	32°40'10.822"N	104°01'04.666"W	0.00	

Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 6, T19S, R30E	Wellbore	No. 1H PWB
Facility	Zircon 7 Fed No. 1H		

WELLPATH DATA (65 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
13313.00†	89.206	189.557	8252.56	5372.50	-5297.93	-892.01	597029.59	607383.63	32°40'09.847"N	104°01'04.864"W	0.00	
13413.00†	89.206	189.557	8253.94	5472.49	-5396.53	-908.61	597012.99	607285.03	32°40'08.871"N	104°01'05.061"W	0.00	
13513.00†	89.206	189.557	8255.33	5572.48	-5495.13	-925.21	596996.39	607186.44	32°40'07.896"N	104°01'05.259"W	0.00	
13613.00†	89.206	189.557	8256.72	5672.47	-5593.73	-941.82	596979.79	607087.84	32°40'06.921"N	104°01'05.457"W	0.00	
13633.43	89.206	189.557	8257.00†	5692.90	-5613.88	-945.21	596976.40	607067.70	32°40'06.722"N	104°01'05.497"W	0.00	No. 1H PBHL

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	13633.43	8257.00	-5613.88	-945.21	596976.40	607067.70	32°40'06.722"N	104°01'05.497"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	13633.43	NaviTrak (Standard)		No. 1H PWB

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Zircon "7" Federal #1H

660' FSL & 1260' FWL (SHL)

Sec 6-T19S-R30E

Eddy 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" 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
6 1/8" Hole

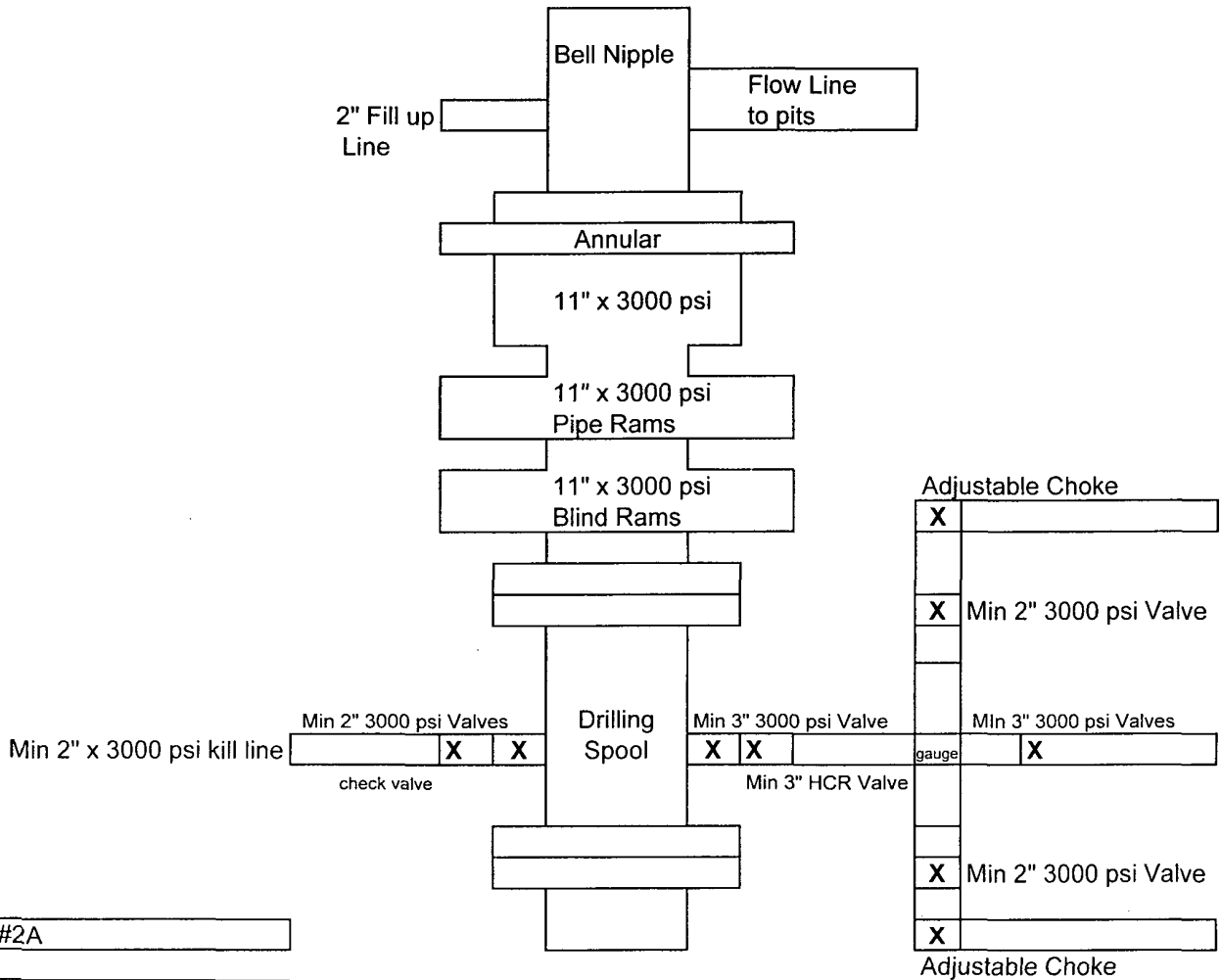


Exhibit #2A

Zircon 7 Fed #1H
660' FSL & 1260' FWL
Sec 6-T19S-R30E
Eddy, County
New Mexico

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

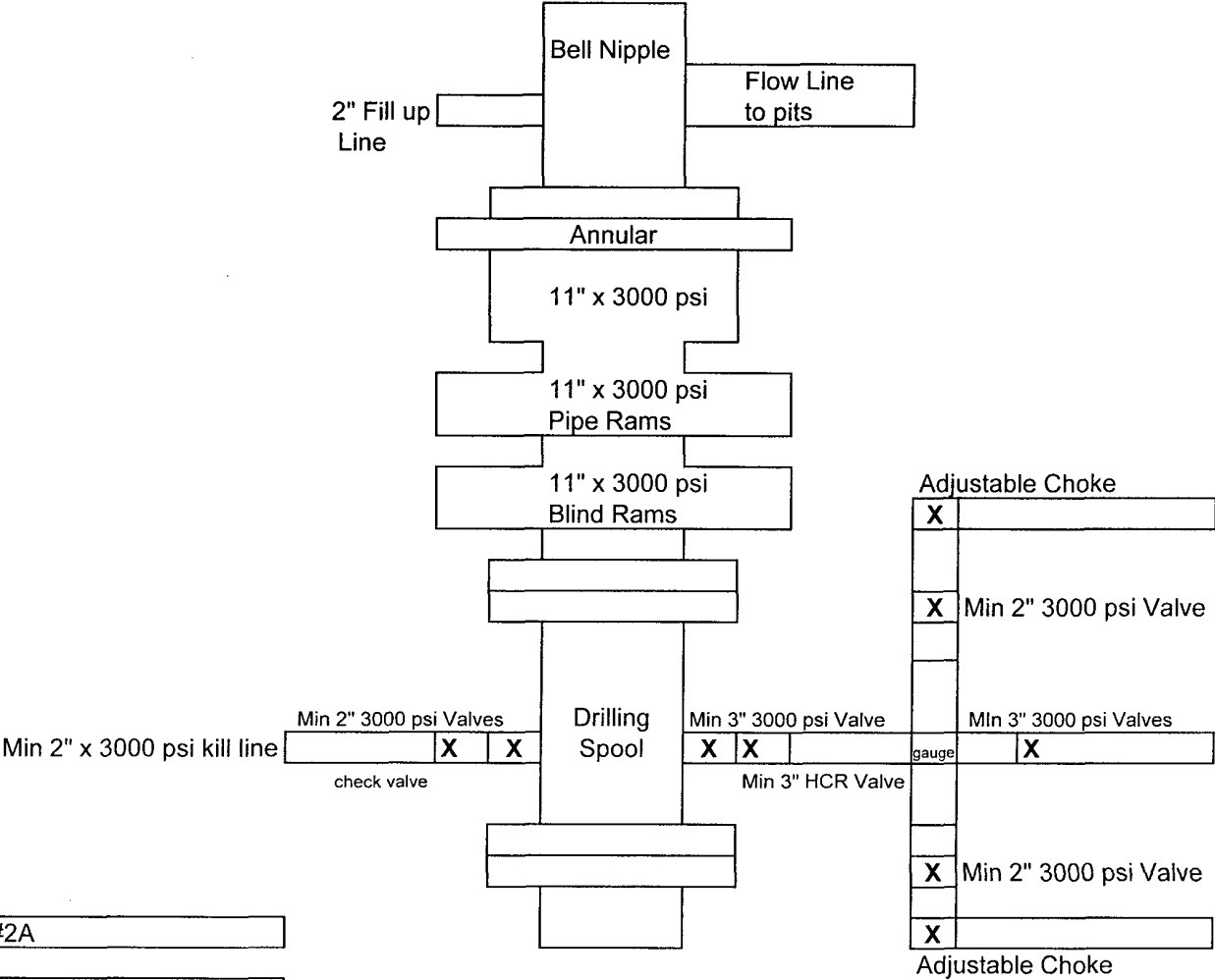
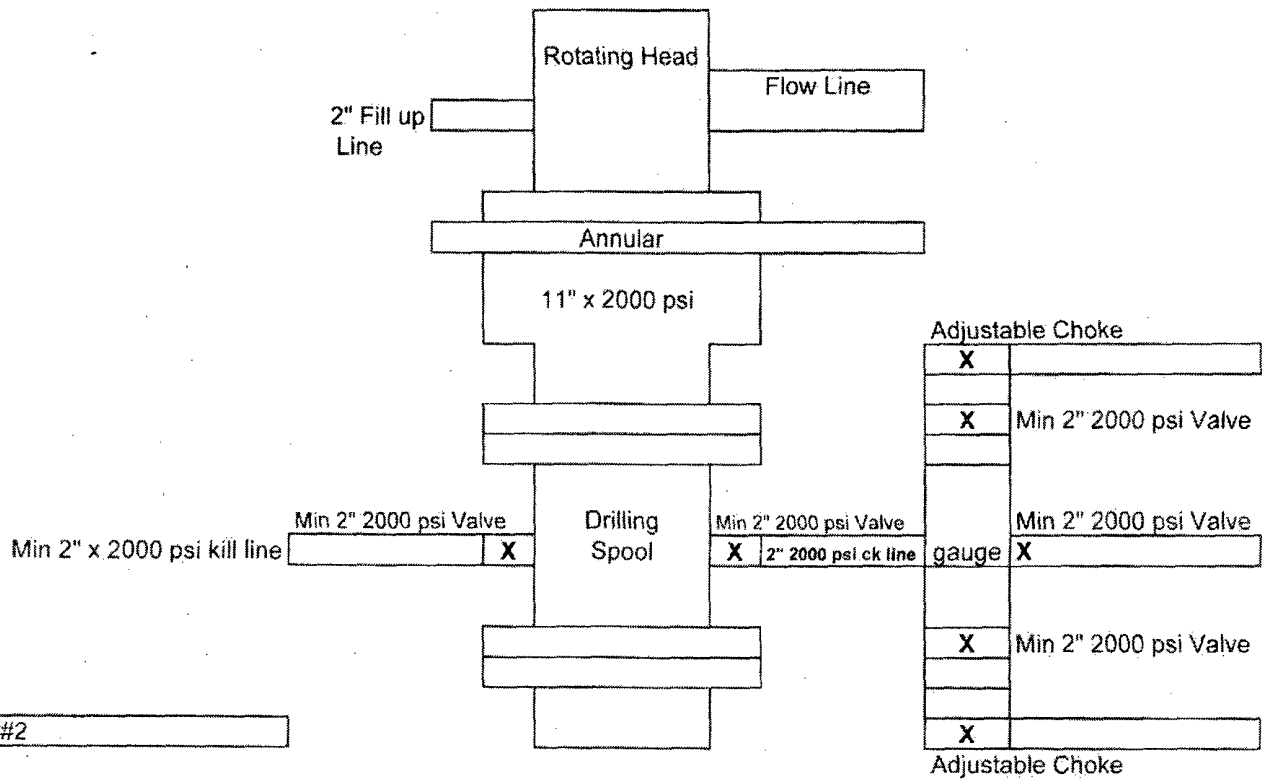
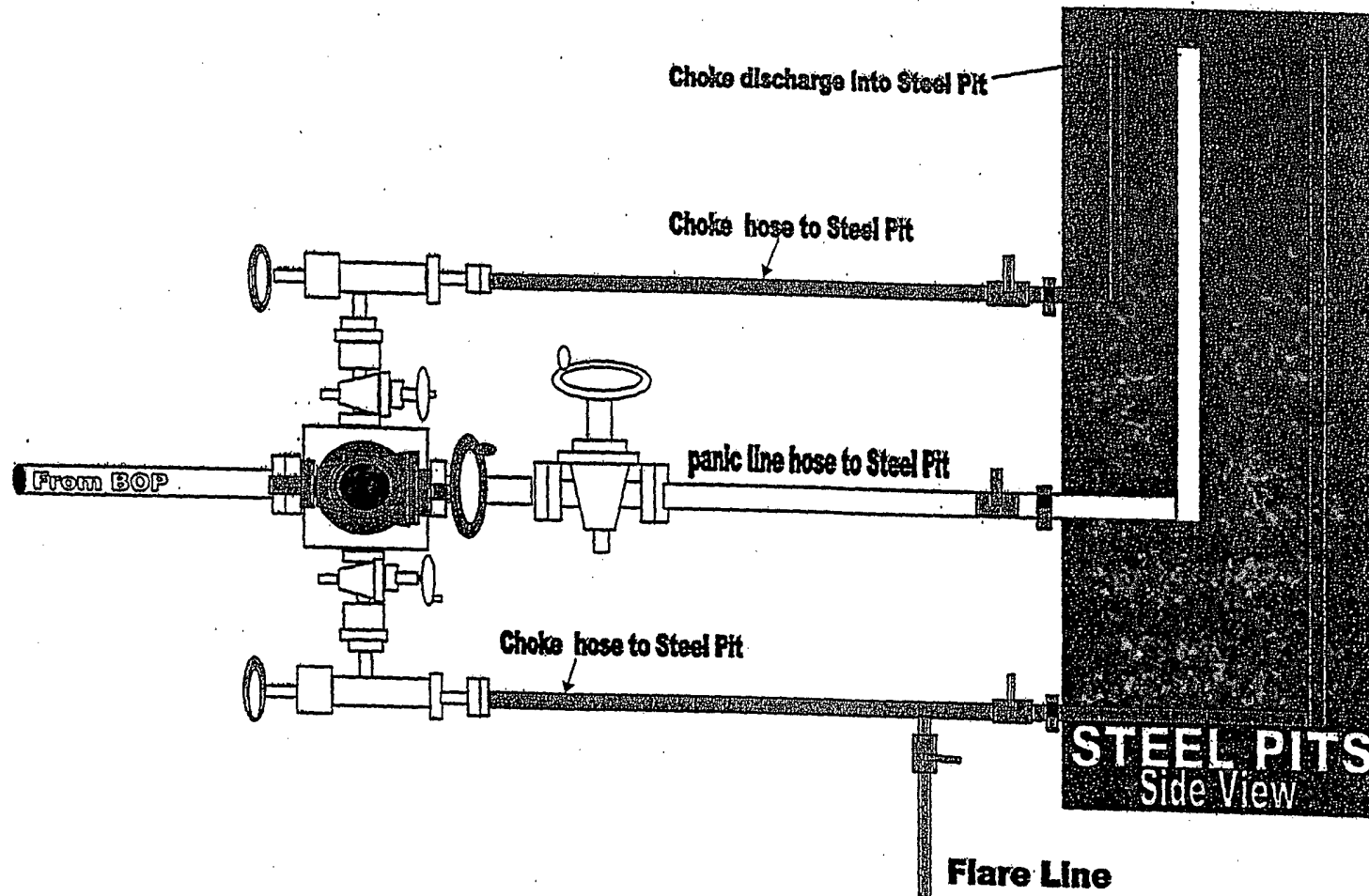


Exhibit #2A

Zircon 7 Fed #1H
660' FSL & 1260' FWL
Sec 6-T19S-R30E
Eddy, County
New Mexico

Mewbourne Oil Company
 BOP Scematic for
 2M system





2000#/3000#BOP manifold system

For Exhibit 2 + 2A