ATS-10-603

Form 3160-3
(September 2001)

RECEIVED
OCD Hobbs
AUG 13 2010
HOBBSOCD

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

5. Lease Serial No.
NM-9017 (SL) NM-9016 (BHL)

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No. (38280)
Cochise 19 Federal Com #1H

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

9. API Well No.
30-025-39878 (40450)

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

10. Field and Pool, or Exploratory
~~Shugart, Yates, 7 Rs, Qu, Grb~~ LUSK; BONE SPRING, NORTH (41450)

4. Location of Well *(Report location clearly and in accordance with any State requirements. *)*
At surface 400' FSL & 330' FWL (SL) Unit M
At proposed prod. zone 400' FSL & 330' FEL (BHL) Unit P

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 19 - T18S - R32E

14. Distance in miles and direction from nearest town or post office*
7.5 miles South of Maljamar, NM

12. County or Parish
Lea

13. State
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 40	17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1345'	19. Proposed Depth 12628' MD 8304' TVD	20. BLM/BIA Bond No. on file NM1693, Nationwide
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3696' 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 Jackie Lathan	Name *(Printed/Typed)* Jackie Lathan	Date 06/03/10
Title Hobbs Regulatory		
Approved by *(Signature)* /s/ Don Peterson	Name *(Printed/Typed)*	Date AUG 12 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)*

Capitan Controlled Water Basin

AUG 20 2010

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

RECEIVED

AUG 13 2010

HOBBSOCD

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

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 15, 2009

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-39878	~~51439~~ 41450	LUSK; BONE SPRING, NORTH ~~Shugart; Yates, 7 Rvrs, Queen, Grayburg~~

Property Code	Property Name	Well Number
38280	COCHISE "19" FEDERAL COM	1H

OGRID No.	Operator Name	Elevation
14744	MEWBOURNE OIL COMPANY	3696'

Surface Location

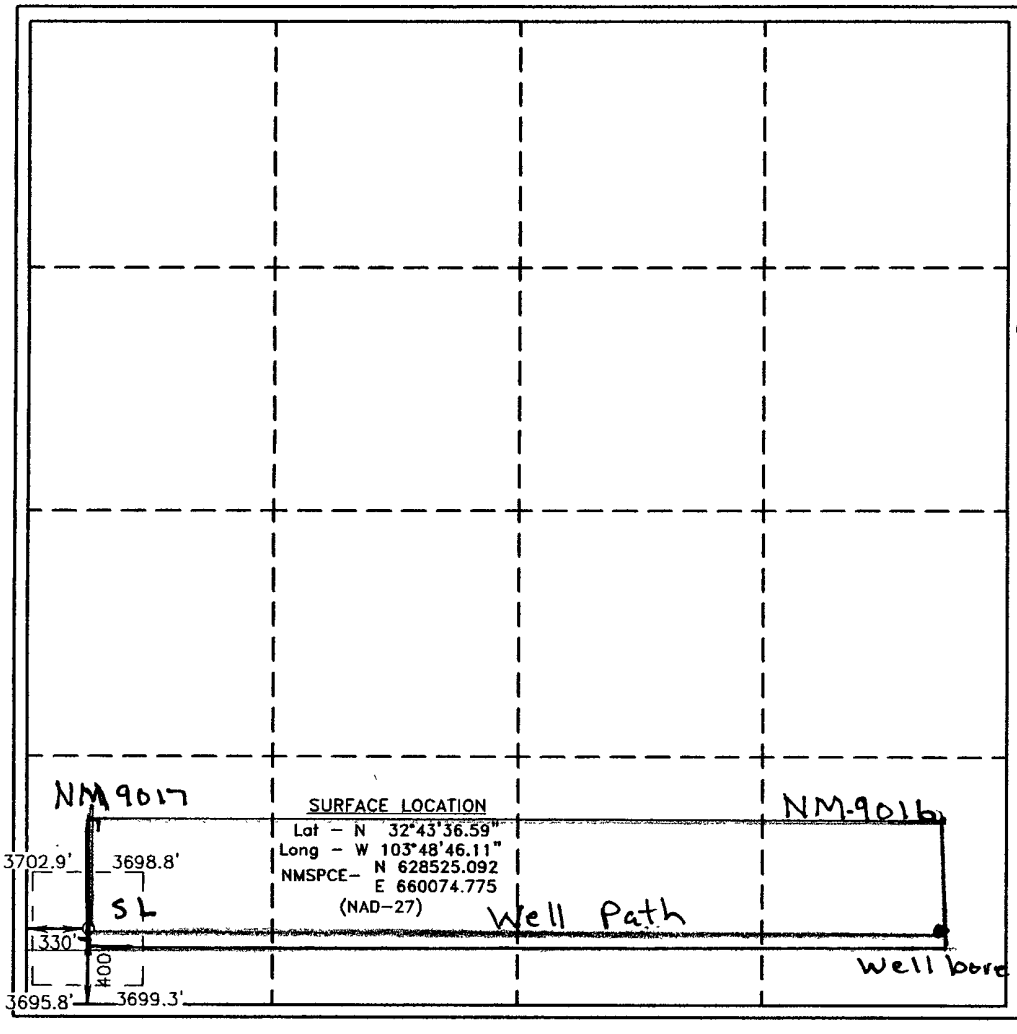
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	19	18 S	32 E		400	SOUTH	330	WEST	LEA

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
D	19	18 S	32E		400	South	330	East	Lea

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



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 6/3/10
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 supervison, and that the same is true and correct to the best of my belief.

APRIL 9, 2010
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. 23607

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

Drilling Program
Mewbourne Oil Company
Cochise 19 Federal Com #1H
400' FSL & 330' FWL (SHL)
Sec 19-T18S-R32E
Lea County, New Mexico

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

Rustler	913
Yates	2483'
Delaware	4683'
*Bone Spring	6550'

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.

3. Pressure control equipment:

A 3000# WP Double Ram BOP and 3000# WP Annular will be installed after running 9 5/8" & 7"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. BOP's 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 used. Will test the 9 5/8" & 7" 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.

***4. Proposed casing and cementing program:**

A. Casing Program:

See COA

Hole Size	Casing	Wt/Ft.	Grade	Depth 1,000	Jt Type
12 ¼"	9 5/8" (new)	36#	J55	0'-~~900~~'	ST&C
8 ¾"	7" (new)	26#	P110	0-7600'	LT&C
8 ¾"	7" (new)	26#	P110	7600'-8500'	BT/C
6 ⅛"	4 ½" (new)	11.6#	P110	8300'-12628'	LT&C

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

See COA

B. Cementing Program:

i. Surface Casing: 400 sacks Class "C" cement containing 2% CaCl. Yield at 1.34 cuft/sk. Cmt circulated to surface.

ii. Intermediate Casing: 500 sacks 35:65 poz mix H cement containing 6% gel, 5#/sack gilsonite. Yield at 1.98 cuft/sk. 400 sacks Class H cement containing FLA. Yield at 1.28 cuft/sk. Cmt circulated to surface.

iii. Production Casing: Plans are to use a Packer-Plus system with 4 ½" casing. Will run Packer type liner @ 8300'.

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

5. Mud Program:

Interval	Type System	Weight	Viscosity	Fluid Loss
0'-~~900'~~ 1,000	FW spud mud	8.6-9.0	32-34	NA
See COA ~~900'~~-8500'	Brine water	10.0-10.2	28-30	NA
8500'-12628' TD	FW w/Polymer	8.5-8.7	32-35	15

6. Evaluation Program:

Samples: 10' samples from surface casing to TD

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

7. 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

8. 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

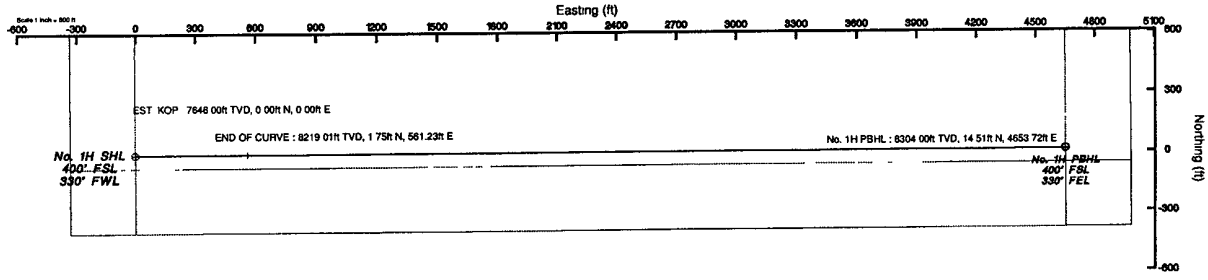
Mewbourne Oil Company

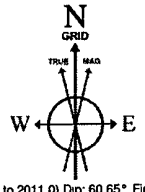
Location: Lea County, NM
Field: (Conchise) Sec 19, T18S, R32E
Facility: Conchise 19 Fed Com No. 1H
Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H PWB

BAKER HUGHES

Well Profile Data

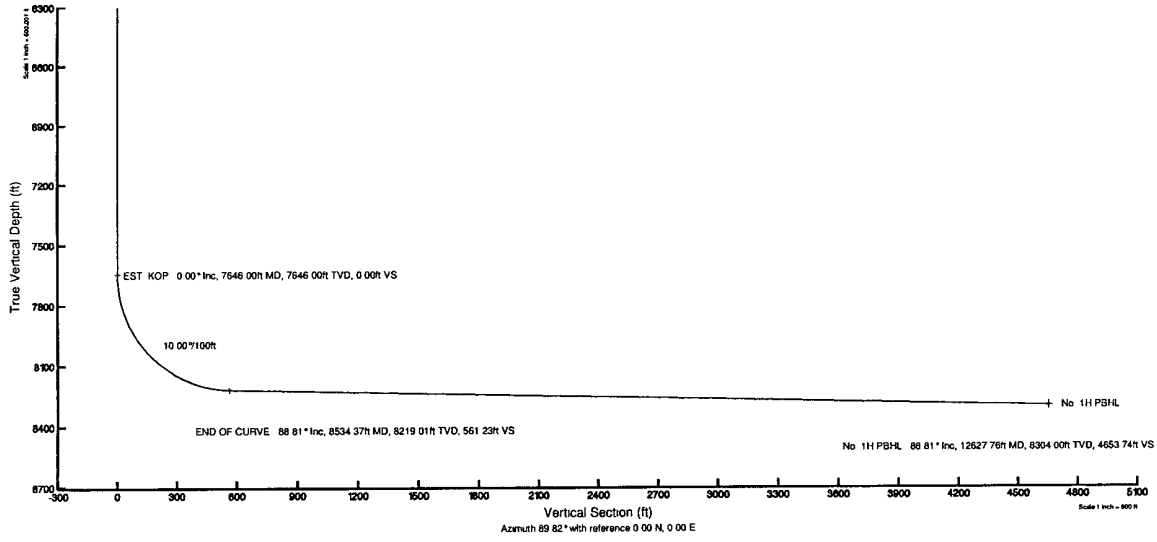
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0 00	0 000	89 821	0.00	0 00	0.00	0 00	0 00
EST KOP	7646.00	0 000	89.821	7646.00	0 00	0 00	0 00	0 00
END OF CURVE	8534 37	88.810	89 821	8219.01	1 75	561 23	10 00	561.23
No. 1H PBHL	12627 76	88.810	89 821	8304.00	14 51	4653 72	0.00	4653 74





BGGM (1945.0 to 2011 0) Dip: 60 65° Field 49062 5 nT
Magnetic North is 7.90 degrees East of True North (at 5/24/2010)
Grid North is 0 28 degrees East of True North
To correct azimuth from True to Grid subtract 0.28 degrees
To correct azimuth from Magnetic to Grid add 7 62 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7 62 = 97 62

Plot reference wellpath is Plan #1	
True vertical depths are referenced to Rig 45 on No 1H SHL (KB)	Grid System NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig 45 on No 1H SHL (KB)	North Reference Grid north
Rig 45 on No 1H SHL (KB) to Mean Sea Level 3714 feet	Scale True distance
Mean Sea Level to Mud line (Facility Conchise 19 Fed Com No 1H) -3696 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by Victor Hernandez on 5/24/2010



Mewbourne Oil Company

Planned Wellpath Report

Plan #1

BAKER HUGHES

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Mewbourne Oil Company**	Slot	**No. 1H SHL**
Area	**Lea County, NM**	Well	**No. 1H**
Field	**(Conchise) Sec 19, T18S, R32E**	Wellbore	**No. 1H PWB**
Facility	**Conchise 19 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	**0.999938**	Report Generated	**5/24/2010 at 4:27:41 PM**
Convergence at slot	**0.28° East**	Database/Source file	**WellArchitectDB/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**	660074.78	628525.09	32°43'36.591"N	103°48'46.114"W
Facility Reference Pt			**660074.78**	**628525.09**	32°43'36.591"N	103°48'46.114"W
Field Reference Pt			**660074.78**	**628525.09**	32°43'36.591"N	103°48'46.114"W

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Rig 45 on No. 1H SHL (KB) to GL	**18.00ft**
Horizontal Reference Pt	**Slot**	Rig 45 on No. 1H SHL (KB) to Mean Sea Level	**3714.00ft**
Vertical Reference Pt	**Rig 45 on No. 1H SHL (KB)**	GL to Mud Line (Facility)	**0.00ft**
MD Reference Pt	**Rig 45 on No. 1H SHL (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**89.82°**

Mewbourne Oil Company

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Plan #1

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Area	Lea County, NM	Well	No. 1H
Field	(Conchise) Sec 19, T18S, R32E	Wellbore	No. 1H PWB
Facility	Conchise 19 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	89.821	0.00	0.00	0.00	0.00	660074.78	628525.09	32°43'36.591"N	103°48'46.114"W	0.00	Tie On
7646.00	0.000	89.821	7646.00	0.00	0.00	0.00	660074.78	628525.09	32°43'36.591"N	103°48'46.114"W	0.00	EST. KOP
7746.00†	9.997	89.821	7745.49	8.70	0.03	8.70	660083.48	628525.12	32°43'36.590"N	103°48'46.012"W	10.00	
7846.00†	19.994	89.821	7841.97	34.54	0.11	34.54	660109.32	628525.20	32°43'36.590"N	103°48'45.709"W	10.00	
7946.00†	29.991	89.821	7932.49	76.74	0.24	76.74	660151.51	628525.33	32°43'36.589"N	103°48'45.216"W	10.00	
8046.00†	39.988	89.821	8014.31	134.01	0.42	134.01	660208.78	628525.51	32°43'36.588"N	103°48'44.545"W	10.00	
8146.00†	49.985	89.821	8084.95	204.61	0.64	204.61	660279.38	628525.73	32°43'36.587"N	103°48'43.719"W	10.00	
8246.00†	59.982	89.821	8142.25	286.41	0.89	286.41	660361.17	628525.98	32°43'36.586"N	103°48'42.761"W	10.00	
8346.00†	69.979	89.821	8184.49	376.91	1.18	376.91	660451.66	628526.27	32°43'36.584"N	103°48'41.702"W	10.00	
8446.00†	79.976	89.821	8210.38	473.37	1.48	473.37	660548.12	628526.57	32°43'36.582"N	103°48'40.573"W	10.00	
8534.37	88.810	89.821	8219.01	561.23	1.75	561.23	660635.97	628526.84	32°43'36.581"N	103°48'39.544"W	10.00	END OF CURVE
8546.00†	88.810	89.821	8219.25	572.86	1.79	572.86	660647.60	628526.88	32°43'36.580"N	103°48'39.408"W	0.00	
8646.00†	88.810	89.821	8221.32	672.84	2.10	672.83	660747.57	628527.19	32°43'36.579"N	103°48'38.238"W	0.00	
8746.00†	88.810	89.821	8223.40	772.81	2.41	772.81	660847.54	628527.50	32°43'36.577"N	103°48'37.068"W	0.00	
8846.00†	88.810	89.821	8225.48	872.79	2.72	872.79	660947.51	628527.81	32°43'36.575"N	103°48'35.898"W	0.00	
8946.00†	88.810	89.821	8227.55	972.77	3.03	972.77	661047.49	628528.12	32°43'36.573"N	103°48'34.727"W	0.00	
9046.00†	88.810	89.821	8229.63	1072.75	3.34	1072.74	661147.46	628528.43	32°43'36.571"N	103°48'33.557"W	0.00	
9146.00†	88.810	89.821	8231.71	1172.73	3.66	1172.72	661247.43	628528.75	32°43'36.570"N	103°48'32.387"W	0.00	
9246.00†	88.810	89.821	8233.78	1272.71	3.97	1272.70	661347.40	628529.06	32°43'36.568"N	103°48'31.216"W	0.00	
9346.00†	88.810	89.821	8235.86	1372.69	4.28	1372.68	661447.37	628529.37	32°43'36.566"N	103°48'30.046"W	0.00	
9446.00†	88.810	89.821	8237.93	1472.66	4.59	1472.66	661547.34	628529.68	32°43'36.564"N	103°48'28.876"W	0.00	
9546.00†	88.810	89.821	8240.01	1572.64	4.90	1572.63	661647.31	628529.99	32°43'36.562"N	103°48'27.706"W	0.00	
9646.00†	88.810	89.821	8242.09	1672.62	5.22	1672.61	661747.29	628530.31	32°43'36.561"N	103°48'26.535"W	0.00	
9746.00†	88.810	89.821	8244.16	1772.60	5.53	1772.59	661847.26	628530.62	32°43'36.559"N	103°48'25.365"W	0.00	
9846.00†	88.810	89.821	8246.24	1872.58	5.84	1872.57	661947.23	628530.93	32°43'36.557"N	103°48'24.195"W	0.00	
9946.00†	88.810	89.821	8248.32	1972.56	6.15	1972.55	662047.20	628531.24	32°43'36.555"N	103°48'23.025"W	0.00	
10046.00†	88.810	89.821	8250.39	2072.53	6.46	2072.52	662147.17	628531.55	32°43'36.553"N	103°48'21.854"W	0.00	
10146.00†	88.810	89.821	8252.47	2172.51	6.77	2172.50	662247.14	628531.86	32°43'36.551"N	103°48'20.684"W	0.00	
10246.00†	88.810	89.821	8254.55	2272.49	7.09	2272.48	662347.12	628532.18	32°43'36.550"N	103°48'19.514"W	0.00	
10346.00†	88.810	89.821	8256.62	2372.47	7.40	2372.46	662447.09	628532.49	32°43'36.548"N	103°48'18.343"W	0.00	

Mewbourne Oil Company

Planned Wellpath Report

Plan #1

BAKER HUGHES

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Mewbourne Oil Company**	Slot	**No. 1H SHL**
Area	**Lea County, NM**	Well	**No. 1H**
Field	**(Conchise) Sec 19, T18S, R32E**	Wellbore	**No. 1H PWB**
Facility	**Conchise 19 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
10446.00†	88.810	89.821	8258.70	2472.45	7.71	2472.44	662547.06	628532.80	32°43'36.546"N	103°48'17.173"W	0.00	
10546.00†	88.810	89.821	8260.78	2572.43	8.02	2572.41	662647.03	628533.11	32°43'36.544"N	103°48'16.003"W	0.00	
10646.00†	88.810	89.821	8262.85	2672.41	8.33	2672.39	662747.00	628533.42	32°43'36.542"N	103°48'14.833"W	0.00	
10746.00†	88.810	89.821	8264.93	2772.38	8.64	2772.37	662846.97	628533.73	32°43'36.540"N	103°48'13.662"W	0.00	
10846.00†	88.810	89.821	8267.00	2872.36	8.96	2872.35	662946.95	628534.05	32°43'36.538"N	103°48'12.492"W	0.00	
10946.00†	88.810	89.821	8269.08	2972.34	9.27	2972.33	663046.92	628534.36	32°43'36.537"N	103°48'11.322"W	0.00	
11046.00†	88.810	89.821	8271.16	3072.32	9.58	3072.30	663146.89	628534.67	32°43'36.535"N	103°48'10.151"W	0.00	
11146.00†	88.810	89.821	8273.23	3172.30	9.89	3172.28	663246.86	628534.98	32°43'36.533"N	103°48'08.981"W	0.00	
11246.00†	88.810	89.821	8275.31	3272.28	10.20	3272.26	663346.83	628535.29	32°43'36.531"N	103°48'07.811"W	0.00	
11346.00†	88.810	89.821	8277.39	3372.25	10.52	3372.24	663446.80	628535.60	32°43'36.529"N	103°48'06.641"W	0.00	
11446.00†	88.810	89.821	8279.46	3472.23	10.83	3472.22	663546.78	628535.92	32°43'36.527"N	103°48'05.470"W	0.00	
11546.00†	88.810	89.821	8281.54	3572.21	11.14	3572.19	663646.75	628536.23	32°43'36.525"N	103°48'04.300"W	0.00	
11646.00†	88.810	89.821	8283.62	3672.19	11.45	3672.17	663746.72	628536.54	32°43'36.523"N	103°48'03.130"W	0.00	
11746.00†	88.810	89.821	8285.69	3772.17	11.76	3772.15	663846.69	628536.85	32°43'36.522"N	103°48'01.960"W	0.00	
11846.00†	88.810	89.821	8287.77	3872.15	12.07	3872.13	663946.66	628537.16	32°43'36.520"N	103°48'00.789"W	0.00	
11946.00†	88.810	89.821	8289.84	3972.13	12.39	3972.11	664046.63	628537.47	32°43'36.518"N	103°47'59.619"W	0.00	
12046.00†	88.810	89.821	8291.92	4072.10	12.70	4072.08	664146.60	628537.79	32°43'36.516"N	103°47'58.449"W	0.00	
12146.00†	88.810	89.821	8294.00	4172.08	13.01	4172.06	664246.58	628538.10	32°43'36.514"N	103°47'57.278"W	0.00	
12246.00†	88.810	89.821	8296.07	4272.06	13.32	4272.04	664346.55	628538.41	32°43'36.512"N	103°47'56.108"W	0.00	
12346.00†	88.810	89.821	8298.15	4372.04	13.63	4372.02	664446.52	628538.72	32°43'36.510"N	103°47'54.938"W	0.00	
12446.00†	88.810	89.821	8300.23	4472.02	13.94	4472.00	664546.49	628539.03	32°43'36.508"N	103°47'53.768"W	0.00	
12546.00†	88.810	89.821	8302.30	4572.00	14.26	4571.97	664646.46	628539.35	32°43'36.506"N	103°47'52.597"W	0.00	
12627.76	88.810	89.821	8304.00[1]	4653.74	14.51	4653.72	664728.20	628539.60	32°43'36.505"N	103°47'51.641"W	0.00	No. 1H PBHL

Mewbourne Oil Company

Planned Wellpath Report

Plan #1

BAKER HUGHES

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Mewbourne Oil Company**	Slot	**No. 1H SHL**
Area	**Lea County, NM**	Well	**No. 1H**
Field	**(Conchise) Sec 19, T18S, R32E**	Wellbore	**No. 1H PWB**
Facility	**Conchise 19 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	12627.76	8304.00	14.51	4653.72	**664728.20**	**628539.60**	32°43'36.505"N	103°47'51.641"W	point

SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Plan #1

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	12627.76	NaviTrak (Standard)		No. 1H PWB

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Cochise 19 Federal Com #1H
400' FNL & 330' FWL (SHL)
Sec 19-T18S-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".

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"
8 3/4" & 6 1/8" Hole

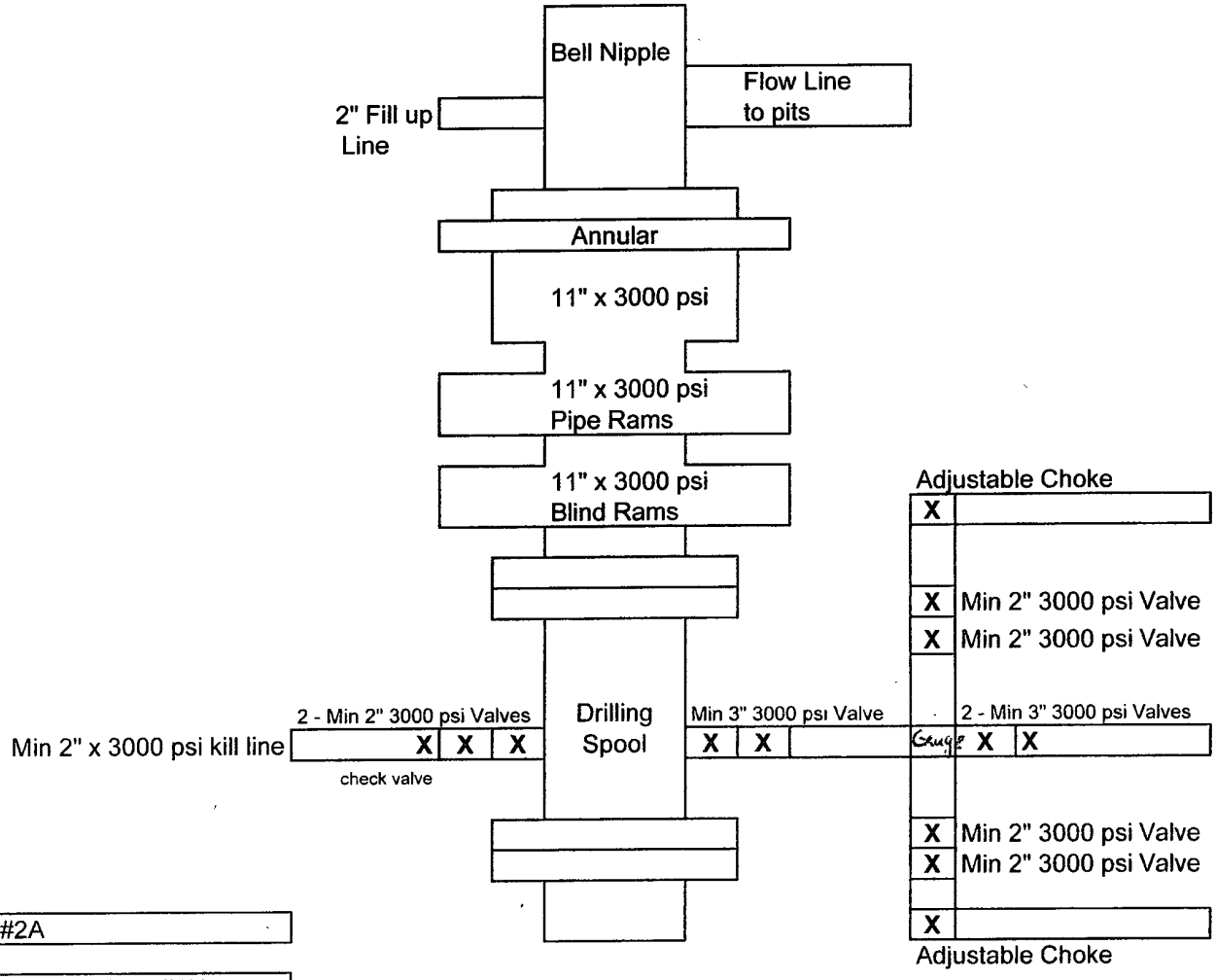
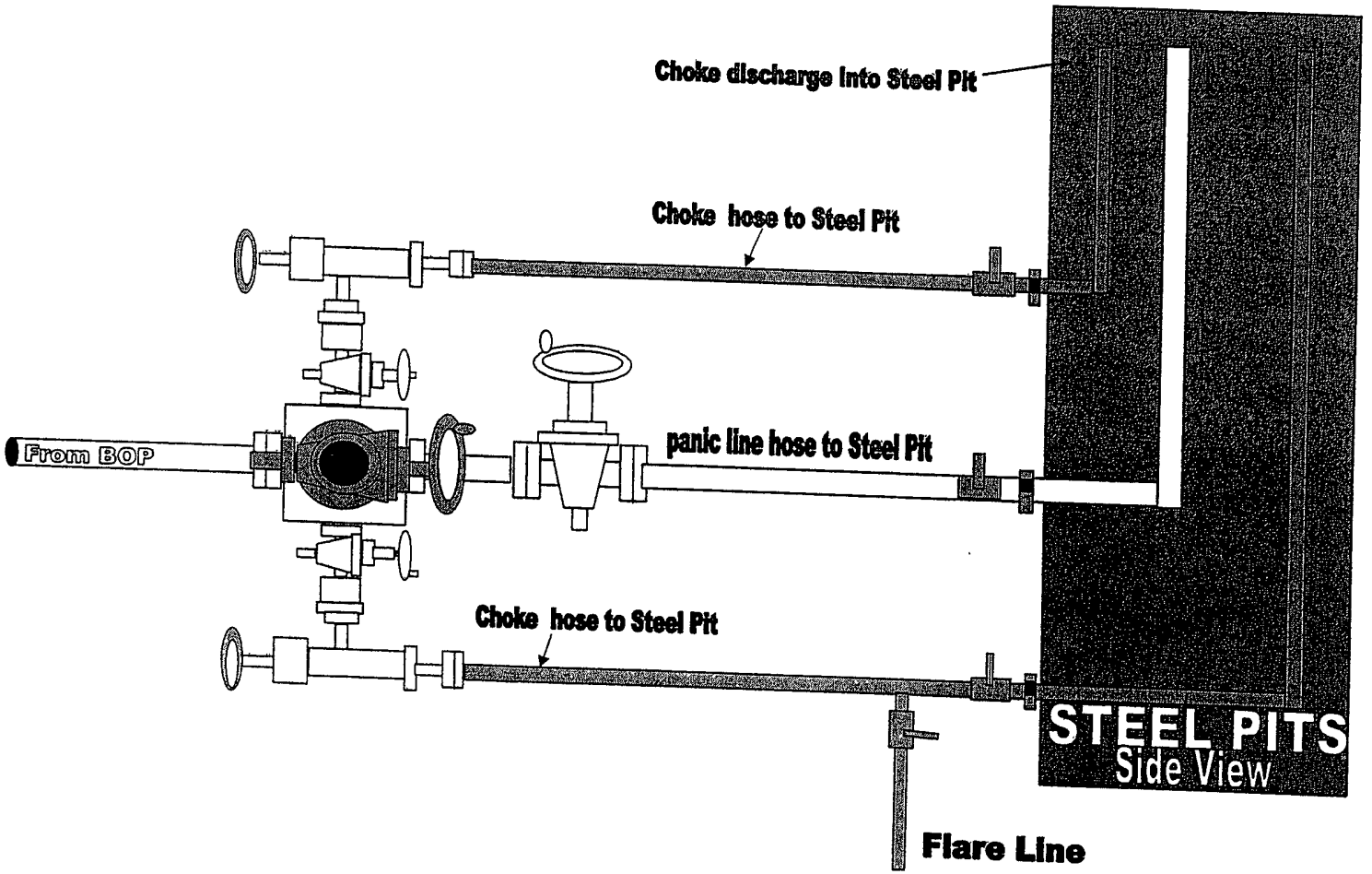


Exhibit #2A

Cochise 19 Fed Com #1H
400' FSL & 330' FWL
Sec 19-T18S-R32E
Lea County,
New Mexico



2000#/3000#BOP manifold system

For Exhibit 2 + 2A