



ORIGINAL

OCD-ARTESIA

UNITED STATES SECRETARY'S POTASH
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 20105. Lease Serial No. 67
NM533736. If Indian, Allottee or Tribe Name
N/A

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

8. Lease Name and Well No.
HB3 Federal #4H ✓9. API Well No.
30-015-3899310. Field and Pool, or Exploratory
Cedar Canyon11. Sec., T. R. M. or Blk. and Survey or Area
3, T24S-R29E12. County or Parish
Eddy13. State
NM1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator Unit Petroleum Company

3a. Address 7130 South Lewis, Suite 1000
Tulsa, Oklahoma 741363b. Phone No. (include area code)
(918) 493-7700

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

At surface 330' FSL - 330' FEL

At proposed prod. zone 7900' or Bone Springs, BHL 1100' FSL - 330' FWL

14. Distance in miles and direction from nearest town or post office*
6.2 miles ENE Malaga NM15. Distance from proposed* 330'
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)16. No. of acres in lease
~~460~~ 7.5.17. Spacing Unit dedicated to this well
S2S2 160 ac 7.5.18. Distance from proposed location* 1800 ft.
to nearest well, drilling, completed,
applied for, on this lease, ft.19. Proposed Depth
~~12,300~~ 7850 TUD
12,288 MD ✓20. BLM/BIA Bond No. on file
MTB00002721. Elevations (Show whether DF, KDB, RT, GL, etc.)
3053 ✓22. Approximate date work will start*
01/01/201123. Estimated duration
60 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must 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 must 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 BLM.

25. Signature

Name (Printed/Typed)

Date

Carl D. Hansen

12/02/2010

Title

Vice President

Approved by (Signature)

/s/ Linda S.C. Rundell

Name (Printed/Typed)

Date APR 6 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.

(Continued on page 2)

*(Instructions on page 2)

CARLSBAD CONTROLLED WATER BASIN

RECEIVED

APR 13 2011

NMOCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

DRILLING PROGRAM

Operator:
Unit Corporation

Project Name:
HB3 Federal #4H

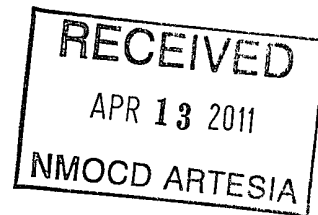
Project Location:
Surface Hole: 330 FSL & 330' FEL Section 3-24S-29E
Bottom Hole: 1,100' FSL & 330' FWL Section 3-24S-29E
Eddy County, New Mexico

Federal Nexus:
Mineral Estate

Prepared By:
Brent A. Keys

Date Prepared:
November 10th, 2010

Submitted To:
Bureau of Land Management



Please address inquiries, questions, scheduling of meetings and deficiency statements,
if any, to Brent Keys at the address shown below:

Unit Petroleum Company
7130 South Lewis, Suite 1000
Tulsa, OK 74136
918-493-7700
brent.keys@unitcorp.com

1.0 Drilling Program

1.1 Estimated Formation Tops

Formation	TVD@ Surface Loc	TVD@ KOP	TMD
RUSTLER	328	-	-
TOS MD	700	-	-
BOS MD	2920	-	-
BELL CANYON MD	3184	-	-
CHERRY CANYON	4070	-	-
BRUSHY CANYON	5259	-	-
BONE SPRINGS	6874	-	12300

12,266

2.1.1 Target Formation and Total Depth

The total depth of the proposed well is 7,850' TVD located in the 1st Bone Springs Formation.

1.2 Pressure Control Equipment

Test required prior to drilling out surface casing

Three thousand psi working pressure 13 5/8" BOP's and Annular Preventer will be installed on 13 3/8" surface casing. Five thousand psi working pressure 11" BOP's and Annular Preventer will be installed on 9 5/8" casing. (A third party testing company will conduct pressure tests and record on a chart prior to drilling out below 9 5/8" casing.) The BOP, Choke, Choke Manifold, Upper and Lower Kelly Cocks, and Floor Safety Valves will be tested to full working pressure (5,000 psi). The Annular Preventer will be tested to 2,500 psi.

Floor Safety Valves that are full open and sized to fit Drill Pipe and Collars will be available on the rig floor in the open position when the Kelly is not in use.

In addition, the BOP equipment will be tested after any repairs to the equipment. Pipe rams, blind rams, and annular preventer will be activated on each trip, and weekly BOP drills will be held with each crew.

Floor Safety Valves that are full open and sized to fit Drill Pipe and Collars will be available on the rig floor in the open position when the Kelly is not in use.

In addition, the BOP equipment will be tested after any repairs to the equipment as well as drilling out below any casing string. Pipe rams, blind rams, and annular preventer will be activated on each trip, and weekly BOP drills will be held with each crew.

1.3 Proposed Casing and Cementing Program

1.3.1 Proposed Casing Program

Interval	Length	Size	Weight/ ft	Grade	Thread	Cond	Size <i>Hole</i>	Wash out factor	Cement Yield
Conductor	40'	20"	53.3#	A	Welded	New	30"	150 %	Grout to surface
Surface	<i>See COA</i> 700' 610	13 3/8"	48#	H-40	STC	New	17-1/2"	100%	1.75/1.3 Ft3/sk cmt to surface
Intermediate	<i>See COA</i> 3130' 3090	9-5/8"	40#	J-55	LTC	New	12-1/4"	50%	2.12/1.3 cu. Ft/sk cmt to surface
Production	12300' 12268	5 1/4"	17#	P110	LTC	New	8-3/4" Lateral	20%	2.05/1.3 cu. Ft/sk TOC at 7000'

Conductor: 20" pipe to a depth of 40'. Wall thickness of 0.250".

Surface Casing:

Top	Bottom	Size	Weight/Ft	Grade	Collapse psi	Internal Yld psi	Body Yld Strength	Joint Strength
Surface	700'	13-3/8"	48"	H-40	770	1730	541,000	322,000

Intermediate Casing:

Top	Bottom	Size	Weight/Ft	Grade	Thread	Collapse psi	Internal Yld psi	Body Yld Strength	Joint Strength
Surface	3130' 3090	9-5/8"	40#	J-55	LTC	2,570	3,950	630,000	520,000

Production Casing:

Top	Bottom	Size	Weight/Ft	Grade	Thread	Collapse psi	Internal Yld psi	Body Yld Strength	Joint Strength
Surface	12,300' 12,266	5- 1/2"	17#	P110	LTC	7,460	10,640	546,000	445,000

Design Parameter Factors:

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13 3/8"	2.29	1.42	9.58
9 5/8"	1.50	1.42	4.15
5 1/2"	1.82	2.60	2.12

1.3.2 Proposed Cement Program

Conductor: Grout to Surface (est. 8cu yards on backside)

13-3/8" Surface: Lead 385 sx Class 'C' Cement + 4% Bentonite + 2% Calcium Chloride + 0.125 LB/SK Cello Flake at 13.5 ppg, 1.75 ft³/sx, 9.17 gps (483' lead). **Tail** 250 sx Class C Cement + 2% Calcium Chloride + 0.125 LB/SK Cello Flake at 14.8 ppg, 1.35 ft³/sx, 6.35 gps (217' tail)

9-5/8' Intermediate: Lead 550 sx 35:65 POZ:Fly Ash Class 'C' + 5% Sodium Chloride + 0.125 LB/SK Cello Flake + 4% Bentonite + 1% Sodium Metasilicate + 5% MPA-5 at 12.80 ppg, 1.97 ft³/sx, 10.56 gps. **Tail** 200 sx Class C Cement + 1% Calcium Chloride + 0.125 LB/SK Cello Flake at 14.80 ppg, 1.34 ft³/sx, 6.34 gps.

5-1/2' Production: Lead 681sx 35:65 POZ:Fly Ash Class 'H' + 0.125 LB/SK Cello Flake + 6% Bentonite + 0.1% R-3 + 0.5% FL-25 at 12.50 ppg, 1.94 ft³/sx, 10.64 gps. **Tail** 271 sx 35:65 POZ:Fly Ash Class 'H' + 5% Sodium Chloride + 0.4% CD-32 + 0.5% FL-25 + 2% Bentonite + 0.5% Sodium Metasilicate + 0.5 FL-52A at 14.80 ppg, 1.34 ft³/sx, 6.34 gps. (~5300' Fill lateral and curve)

**Unit Corp reserves the right to change cement designs as
hole conditions may warrant.**

] See
COA

1.4 Proposed Mud Program

<u>Interval</u>	<u>Type</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
40' to 700' <i>610</i>	Premix	8.4 - 9.2	32 - 50	NC
700' - 3130' <i>3090</i>	Brine	9.0 - 10.5	29 - 36	8-20
3130' - KOP	Brine	8.4 - 9.4	29 - 40	<15
KOP- TD	Brine	9.0 - 10	29 - 40	<15

1.4.1 Mud System Requirements

Mud weight increases are for hole stability in the curve/lateral sections of the hole, not pressure control.

The Mud System will run as a closed loop system with PVT monitoring. All drill cuttings and liquid mud will be hauled to an approved New Mexico Commission site for disposal or soiled farmed upon receiving appropriate approval.

1.5 Evaluation Program

Samples: Samples taken every 30' from Surface to TD.
Every 10' when determining casing point.

*See
COA*

Logging: MWD w/ Gamma Ray from KOP-TD
Coring: None planned
Drill Stem Tests: None planned

1.6 Downhole Conditions

Zones of possible lost circulation: N/A
Zones of possible abnormal pressure: N/A
Maximum bottom hole temperature: 180° F
Maximum bottom hole pressure: 7,000 psi or less.

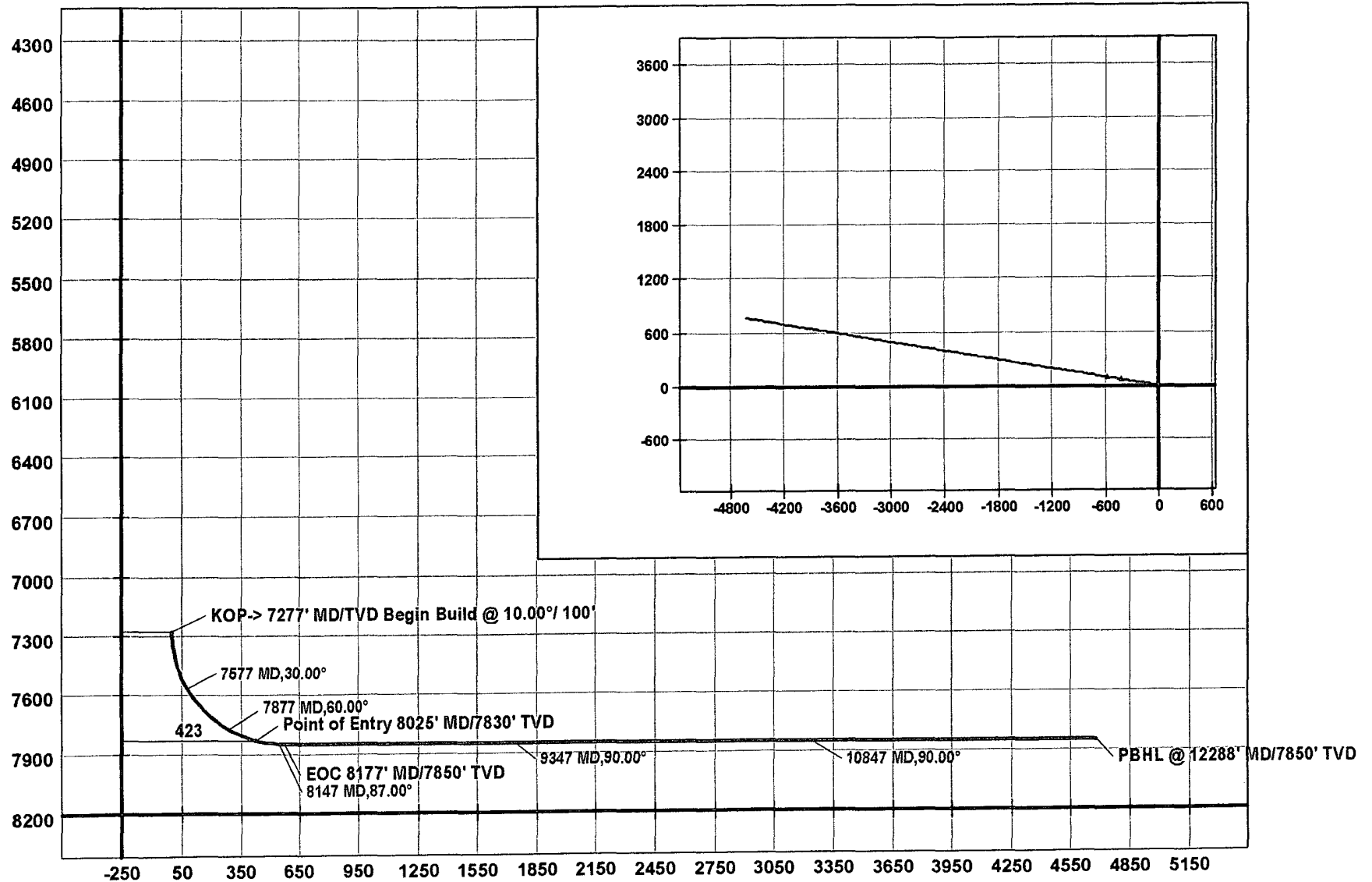
No H₂S in Area - GIS

1.7 Flare Pit

The proposed well will not require a flare pit.

Flare stack to be a minimum of 100' from wellhead.

Company: Unit Petroleum
 Lease/Well: HB 3 FED #4H
 Location: Eddy County
 State/Country: New Mexico



O- Plan Rev 0 10.27.2010



Job Number:
 Company: Unit Petroleum
 Lease/Well: HB 3 FED #4H
 Location: Eddy County
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination:
 Grid:
 File name: P:\SURVEYS\UNIT\HB3F4H.SVY
 Date/Time: 06-Dec-10 / 14:12
 Curve Name: Plan Rev 0 10.27.2010

Inwell Inc

WINSERVE PROPOSAL REPORT
 Minimum Curvature Method
 Vertical Section Plane 279.46
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
KOP-> 7277' MD/TVD Begin Build @ 10.00'/ 100'							
7277.04	.00	279.46	7277.04	.00	.00	.00	.00
7307.04	3.00	279.46	7307.03	.13	-.77	.79	10.00
7337.04	6.00	279.46	7336.93	.52	-3.10	3.14	10.00
7367.04	9.00	279.46	7366.67	1.16	-6.96	7.05	10.00
7397.04	12.00	279.46	7396.17	2.06	-12.35	12.52	10.00
7427.04	15.00	279.46	7425.33	3.21	-19.26	19.52	10.00
7457.04	18.00	279.46	7454.10	4.61	-27.66	28.04	10.00
7487.04	21.00	279.46	7482.37	6.26	-37.54	38.06	10.00
7517.04	24.00	279.46	7510.08	8.14	-48.86	49.53	10.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
7547.04	27.00	279.46	7537.16	10.27	-61.60	62.45	10.00
7577.04	30.00	279.46	7563.52	12.62	-75.72	76.76	10.00
7607.04	33.00	279.46	7589.10	15.20	-91.18	92.43	10.00
7637.04	36.00	279.46	7613.82	17.99	-107.94	109.42	10.00
7667.04	39.00	279.46	7637.62	20.99	-125.95	127.69	10.00
7697.04	42.00	279.46	7660.43	24.19	-145.16	147.17	10.00
7727.04	45.00	279.46	7682.18	27.59	-165.53	167.81	10.00
7757.04	48.00	279.46	7702.83	31.17	-186.99	189.57	10.00
7787.04	51.00	279.46	7722.31	34.92	-209.49	212.38	10.00
7817.04	54.00	279.46	7740.58	38.83	-232.97	236.18	10.00
7847.04	57.00	279.46	7757.57	42.89	-257.35	260.90	10.00
7877.04	60.00	279.46	7773.24	47.10	-282.58	286.48	10.00
7907.04	63.00	279.46	7787.55	51.43	-308.58	312.84	10.00
7937.04	66.00	279.46	7800.47	55.88	-335.29	339.91	10.00
7967.04	69.00	279.46	7811.95	60.44	-362.63	367.63	10.00
7997.04	72.00	279.46	7821.96	65.09	-390.52	395.90	10.00
Point of Entry 8025' MD/7830' TVD							
8025.21	74.82	279.46	7830.00	69.52	-417.14	422.89	10.00
8027.04	75.00	279.46	7830.48	69.81	-418.89	424.66	10.00
8057.04	78.00	279.46	7837.48	74.61	-447.66	453.83	10.00
8087.04	81.00	279.46	7842.95	79.46	-476.75	483.33	10.00
8117.04	84.00	279.46	7846.86	84.35	-506.09	513.07	10.00
8147.04	87.00	279.46	7849.22	89.26	-535.58	542.97	10.00
EOC 8177' MD/7850' TVD							
8177.05	90.00	279.46	7850.00	94.19	-565.16	572.96	10.00
8207.05	90.00	279.46	7850.00	99.13	-594.76	602.96	.00
8237.05	90.00	279.46	7850.00	104.06	-624.35	632.96	.00
8267.05	90.00	279.46	7850.00	108.99	-653.94	662.96	.00
8297.05	90.00	279.46	7850.00	113.92	-683.53	692.96	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
8327.05	90.00	279.46	7850.00	118.85	-713.12	722.96	.00
8357.05	90.00	279.46	7850.00	123.79	-742.71	752.96	.00
8387.05	90.00	279.46	7850.00	128.72	-772.31	782.96	.00
8417.05	90.00	279.46	7850.00	133.65	-801.90	812.96	.00
8447.05	90.00	279.46	7850.00	138.58	-831.49	842.96	.00
8477.05	90.00	279.46	7850.00	143.51	-861.08	872.96	.00
8507.05	90.00	279.46	7850.00	148.45	-890.67	902.96	.00
8537.05	90.00	279.46	7850.00	153.38	-920.27	932.96	.00
8567.05	90.00	279.46	7850.00	158.31	-949.86	962.96	.00
8597.05	90.00	279.46	7850.00	163.24	-979.45	992.96	.00
8627.05	90.00	279.46	7850.00	168.17	-1009.04	1022.96	.00
8657.05	90.00	279.46	7850.00	173.11	-1038.63	1052.96	.00
8687.05	90.00	279.46	7850.00	178.04	-1068.22	1082.96	.00
8717.05	90.00	279.46	7850.00	182.97	-1097.82	1112.96	.00
8747.05	90.00	279.46	7850.00	187.90	-1127.41	1142.96	.00
8777.05	90.00	279.46	7850.00	192.83	-1157.00	1172.96	.00
8807.05	90.00	279.46	7850.00	197.77	-1186.59	1202.96	.00
8837.05	90.00	279.46	7850.00	202.70	-1216.18	1232.96	.00
8867.05	90.00	279.46	7850.00	207.63	-1245.78	1262.96	.00
8897.05	90.00	279.46	7850.00	212.56	-1275.37	1292.96	.00
8927.05	90.00	279.46	7850.00	217.49	-1304.96	1322.96	.00
8957.05	90.00	279.46	7850.00	222.43	-1334.55	1352.96	.00
8987.05	90.00	279.46	7850.00	227.36	-1364.14	1382.96	.00
9017.05	90.00	279.46	7850.00	232.29	-1393.73	1412.96	.00
9047.05	90.00	279.46	7850.00	237.22	-1423.33	1442.96	.00
9077.05	90.00	279.46	7850.00	242.15	-1452.92	1472.96	.00
9107.05	90.00	279.46	7850.00	247.08	-1482.51	1502.96	.00
9137.05	90.00	279.46	7850.00	252.02	-1512.10	1532.96	.00
9167.05	90.00	279.46	7850.00	256.95	-1541.69	1562.96	.00
9197.05	90.00	279.46	7850.00	261.88	-1571.29	1592.96	.00

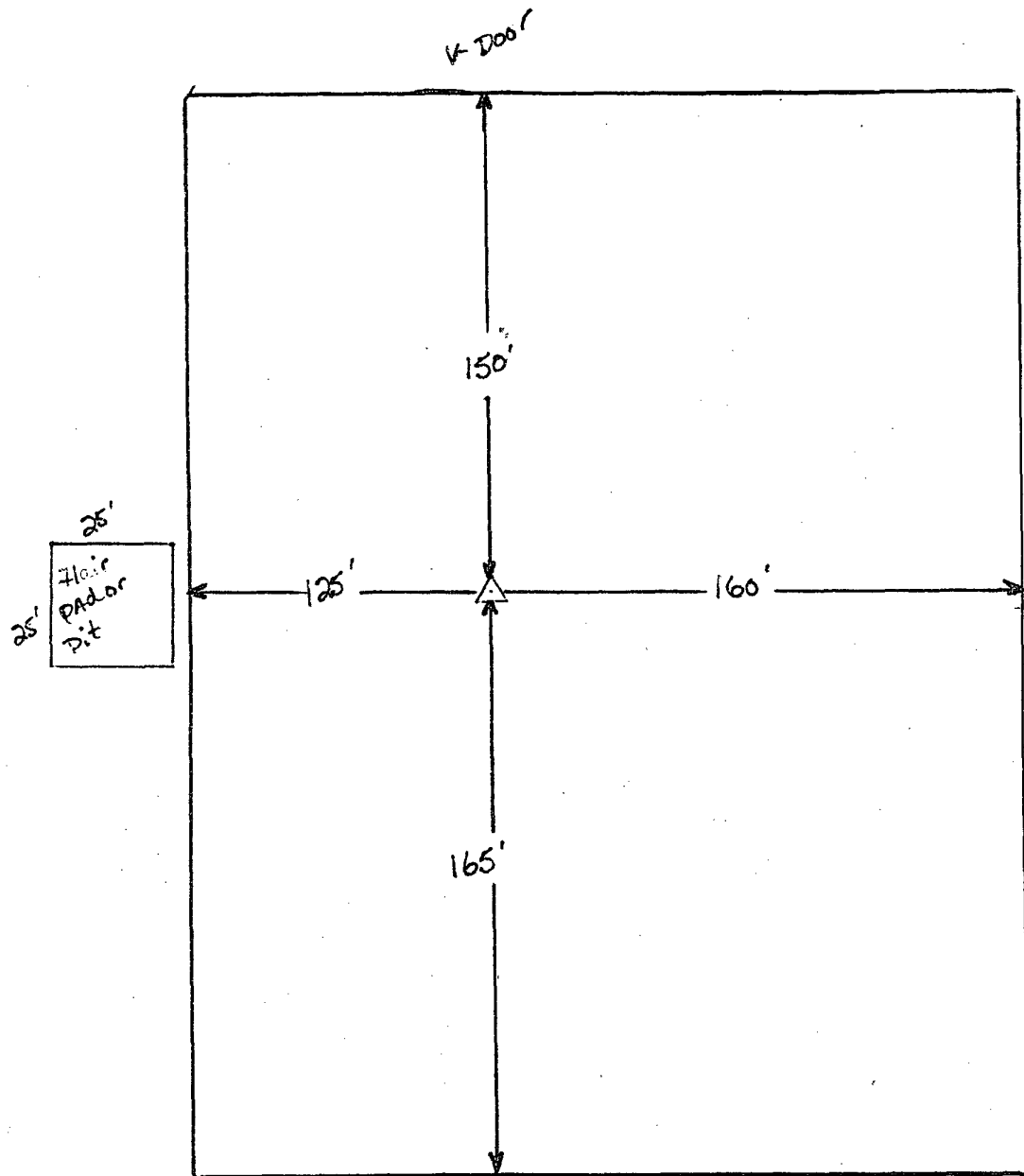
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
9227.05	90.00	279.46	7850.00	266.81	-1600.88	1622.96	.00
9257.05	90.00	279.46	7850.00	271.74	-1630.47	1652.96	.00
9287.05	90.00	279.46	7850.00	276.68	-1660.06	1682.96	.00
9317.05	90.00	279.46	7850.00	281.61	-1689.65	1712.96	.00
9347.05	90.00	279.46	7850.00	286.54	-1719.24	1742.96	.00
9377.05	90.00	279.46	7850.00	291.47	-1748.84	1772.96	.00
9407.05	90.00	279.46	7850.00	296.40	-1778.43	1802.96	.00
9437.05	90.00	279.46	7850.00	301.34	-1808.02	1832.96	.00
9467.05	90.00	279.46	7850.00	306.27	-1837.61	1862.96	.00
9497.05	90.00	279.46	7850.00	311.20	-1867.20	1892.96	.00
9527.05	90.00	279.46	7850.00	316.13	-1896.80	1922.96	.00
9557.05	90.00	279.46	7850.00	321.06	-1926.39	1952.96	.00
9587.05	90.00	279.46	7850.00	326.00	-1955.98	1982.96	.00
9617.05	90.00	279.46	7850.00	330.93	-1985.57	2012.96	.00
9647.05	90.00	279.46	7850.00	335.86	-2015.16	2042.96	.00
9677.05	90.00	279.46	7850.00	340.79	-2044.75	2072.96	.00
9707.05	90.00	279.46	7850.00	345.72	-2074.35	2102.96	.00
9737.05	90.00	279.46	7850.00	350.66	-2103.94	2132.96	.00
9767.05	90.00	279.46	7850.00	355.59	-2133.53	2162.96	.00
9797.05	90.00	279.46	7850.00	360.52	-2163.12	2192.96	.00
9827.05	90.00	279.46	7850.00	365.45	-2192.71	2222.96	.00
9857.05	90.00	279.46	7850.00	370.38	-2222.31	2252.96	.00
9887.05	90.00	279.46	7850.00	375.32	-2251.90	2282.96	.00
9917.05	90.00	279.46	7850.00	380.25	-2281.49	2312.96	.00
9947.05	90.00	279.46	7850.00	385.18	-2311.08	2342.96	.00
9977.05	90.00	279.46	7850.00	390.11	-2340.67	2372.96	.00
10007.05	90.00	279.46	7850.00	395.04	-2370.26	2402.96	.00
10037.05	90.00	279.46	7850.00	399.98	-2399.86	2432.96	.00
10067.05	90.00	279.46	7850.00	404.91	-2429.45	2462.96	.00
10097.05	90.00	279.46	7850.00	409.84	-2459.04	2492.96	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
10127.05	90.00	279.46	7850.00	414.77	-2488.63	2522.96	.00
10157.05	90.00	279.46	7850.00	419.70	-2518.22	2552.96	.00
10187.05	90.00	279.46	7850.00	424.64	-2547.82	2582.96	.00
10217.05	90.00	279.46	7850.00	429.57	-2577.41	2612.96	.00
10247.05	90.00	279.46	7850.00	434.50	-2607.00	2642.96	.00
10277.05	90.00	279.46	7850.00	439.43	-2636.59	2672.96	.00
10307.05	90.00	279.46	7850.00	444.36	-2666.18	2702.96	.00
10337.05	90.00	279.46	7850.00	449.30	-2695.77	2732.96	.00
10367.05	90.00	279.46	7850.00	454.23	-2725.37	2762.96	.00
10397.05	90.00	279.46	7850.00	459.16	-2754.96	2792.96	.00
10427.05	90.00	279.46	7850.00	464.09	-2784.55	2822.96	.00
10457.05	90.00	279.46	7850.00	469.02	-2814.14	2852.96	.00
10487.05	90.00	279.46	7850.00	473.96	-2843.73	2882.96	.00
10517.05	90.00	279.46	7850.00	478.89	-2873.33	2912.96	.00
10547.05	90.00	279.46	7850.00	483.82	-2902.92	2942.96	.00
10577.05	90.00	279.46	7850.00	488.75	-2932.51	2972.96	.00
10607.05	90.00	279.46	7850.00	493.68	-2962.10	3002.96	.00
10637.05	90.00	279.46	7850.00	498.62	-2991.69	3032.96	.00
10667.05	90.00	279.46	7850.00	503.55	-3021.28	3062.96	.00
10697.05	90.00	279.46	7850.00	508.48	-3050.88	3092.96	.00
10727.05	90.00	279.46	7850.00	513.41	-3080.47	3122.96	.00
10757.05	90.00	279.46	7850.00	518.34	-3110.06	3152.96	.00
10787.05	90.00	279.46	7850.00	523.28	-3139.65	3182.96	.00
10817.05	90.00	279.46	7850.00	528.21	-3169.24	3212.96	.00
10847.05	90.00	279.46	7850.00	533.14	-3198.84	3242.96	.00
10877.05	90.00	279.46	7850.00	538.07	-3228.43	3272.96	.00
10907.05	90.00	279.46	7850.00	543.00	-3258.02	3302.96	.00
10937.05	90.00	279.46	7850.00	547.94	-3287.61	3332.96	.00
10967.05	90.00	279.46	7850.00	552.87	-3317.20	3362.96	.00
10997.05	90.00	279.46	7850.00	557.80	-3346.79	3392.96	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
11027.05	90.00	279.46	7850.00	562.73	-3376.39	3422.96	.00
11057.05	90.00	279.46	7850.00	567.66	-3405.98	3452.96	.00
11087.05	90.00	279.46	7850.00	572.59	-3435.57	3482.96	.00
11117.05	90.00	279.46	7850.00	577.53	-3465.16	3512.96	.00
11147.05	90.00	279.46	7850.00	582.46	-3494.75	3542.96	.00
11177.05	90.00	279.46	7850.00	587.39	-3524.35	3572.96	.00
11207.05	90.00	279.46	7850.00	592.32	-3553.94	3602.96	.00
11237.05	90.00	279.46	7850.00	597.25	-3583.53	3632.96	.00
11267.05	90.00	279.46	7850.00	602.19	-3613.12	3662.96	.00
11297.05	90.00	279.46	7850.00	607.12	-3642.71	3692.96	.00
11327.05	90.00	279.46	7850.00	612.05	-3672.30	3722.96	.00
11357.05	90.00	279.46	7850.00	616.98	-3701.90	3752.96	.00
11387.05	90.00	279.46	7850.00	621.91	-3731.49	3782.96	.00
11417.05	90.00	279.46	7850.00	626.85	-3761.08	3812.96	.00
11447.05	90.00	279.46	7850.00	631.78	-3790.67	3842.96	.00
11477.05	90.00	279.46	7850.00	636.71	-3820.26	3872.96	.00
11507.05	90.00	279.46	7850.00	641.64	-3849.86	3902.96	.00
11537.05	90.00	279.46	7850.00	646.57	-3879.45	3932.96	.00
11567.05	90.00	279.46	7850.00	651.51	-3909.04	3962.96	.00
11597.05	90.00	279.46	7850.00	656.44	-3938.63	3992.96	.00
11627.05	90.00	279.46	7850.00	661.37	-3968.22	4022.96	.00
11657.05	90.00	279.46	7850.00	666.30	-3997.81	4052.96	.00
11687.05	90.00	279.46	7850.00	671.23	-4027.41	4082.96	.00
11717.05	90.00	279.46	7850.00	676.17	-4057.00	4112.96	.00
11747.05	90.00	279.46	7850.00	681.10	-4086.59	4142.96	.00
11777.05	90.00	279.46	7850.00	686.03	-4116.18	4172.96	.00
11807.05	90.00	279.46	7850.00	690.96	-4145.77	4202.96	.00
11837.05	90.00	279.46	7850.00	695.89	-4175.37	4232.96	.00
11867.05	90.00	279.46	7850.00	700.83	-4204.96	4262.96	.00
11897.05	90.00	279.46	7850.00	705.76	-4234.55	4292.96	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
11927.05	90.00	279.46	7850.00	710.69	-4264.14	4322.96	.00
11957.05	90.00	279.46	7850.00	715.62	-4293.73	4352.96	.00
11987.05	90.00	279.46	7850.00	720.55	-4323.32	4382.96	.00
12017.05	90.00	279.46	7850.00	725.49	-4352.92	4412.96	.00
12047.05	90.00	279.46	7850.00	730.42	-4382.51	4442.96	.00
12077.05	90.00	279.46	7850.00	735.35	-4412.10	4472.96	.00
12107.05	90.00	279.46	7850.00	740.28	-4441.69	4502.96	.00
12137.05	90.00	279.46	7850.00	745.21	-4471.28	4532.96	.00
12167.05	90.00	279.46	7850.00	750.15	-4500.88	4562.96	.00
12197.05	90.00	279.46	7850.00	755.08	-4530.47	4592.96	.00
12227.05	90.00	279.46	7850.00	760.01	-4560.06	4622.96	.00
12257.05	90.00	279.46	7850.00	764.94	-4589.65	4652.96	.00
12287.05	90.00	279.46	7850.00	769.87	-4619.24	4682.96	.00
PBHL @ 12288' MD/7850' TVD							
12287.81	90.00	279.46	7850.00	770.00	-4620.00	4683.73	.03

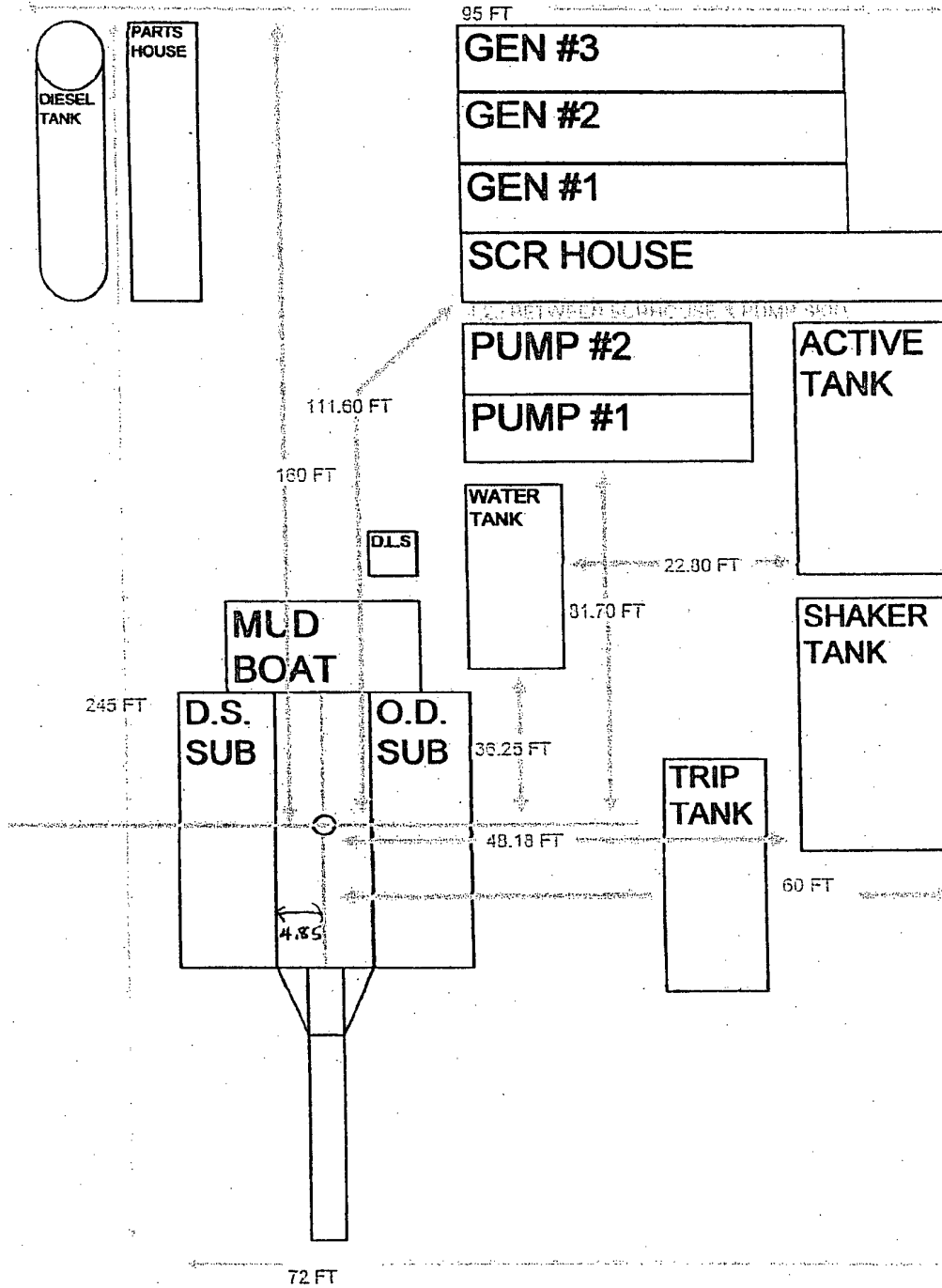
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well pad layout for Drilg Rig

unit Petroleum Company
HB3 Federal # 4H
330' FSL - 330' FEL
Section 3 T24S - R29E
Eddy Co. N.M.

UDI RIG 224



Unit Petroleum Company
HB "3" Federal #4H
Section 3-24S-29E; Eddy Co., N.M.

Unit Petroleum Company

Proposed Blowout Preventor Stack

Valve Nomenclature

- 1.) 2 1/16" 5m Check Valve
- 2.) 2 1/16" 5m Manual Gate Valve
- 3.) 4 1/16" 5m Manual Gate Valve
- 4.) 4 1/16" 5m Hydraulic Gate Valve
- 5.) 2 1/16" 5m Manual Gate Valve

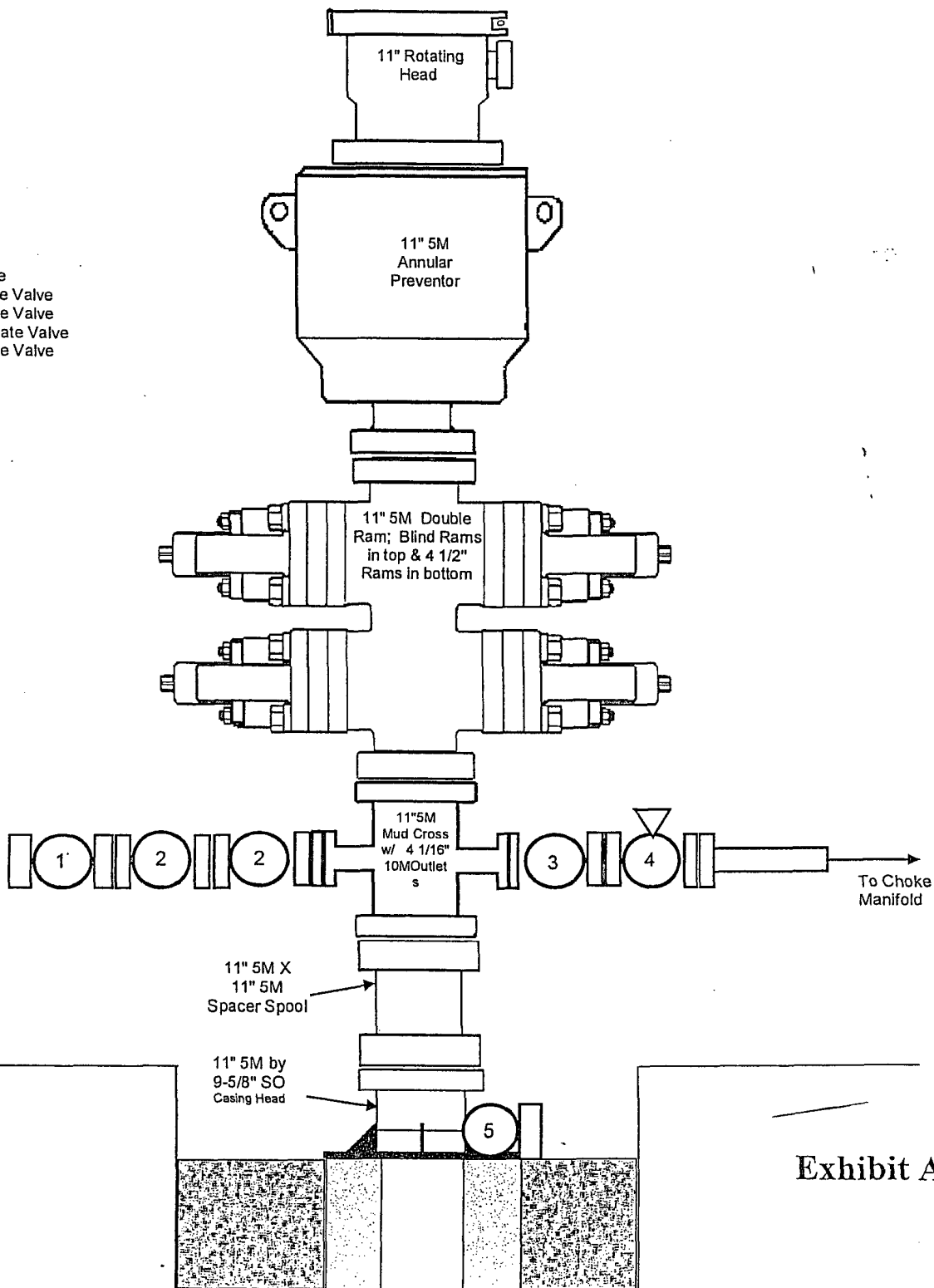
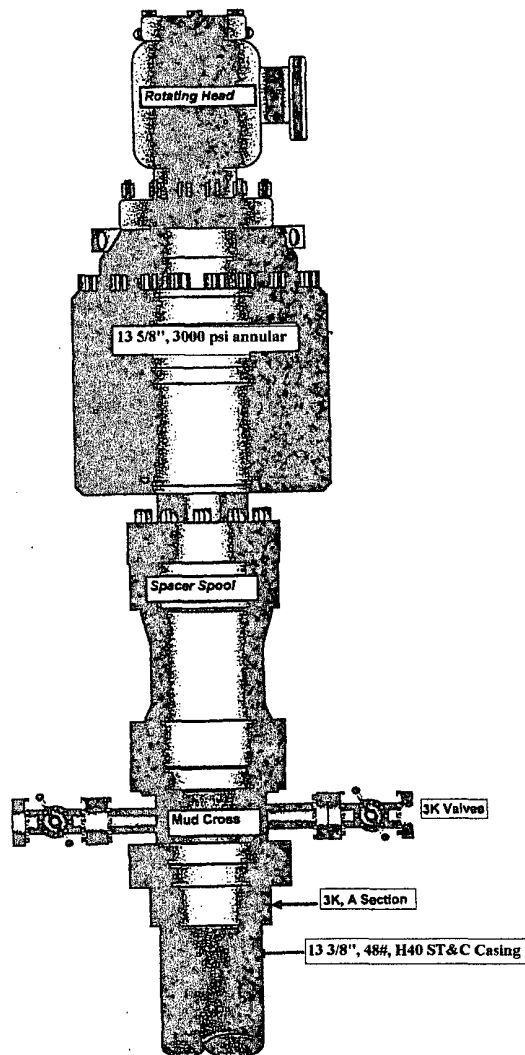


Exhibit A

13 5/8" x 3K Annular



Unit Petroleum Company
HB "3" Federal 4H
Eddy County, NM

Choke Manifold

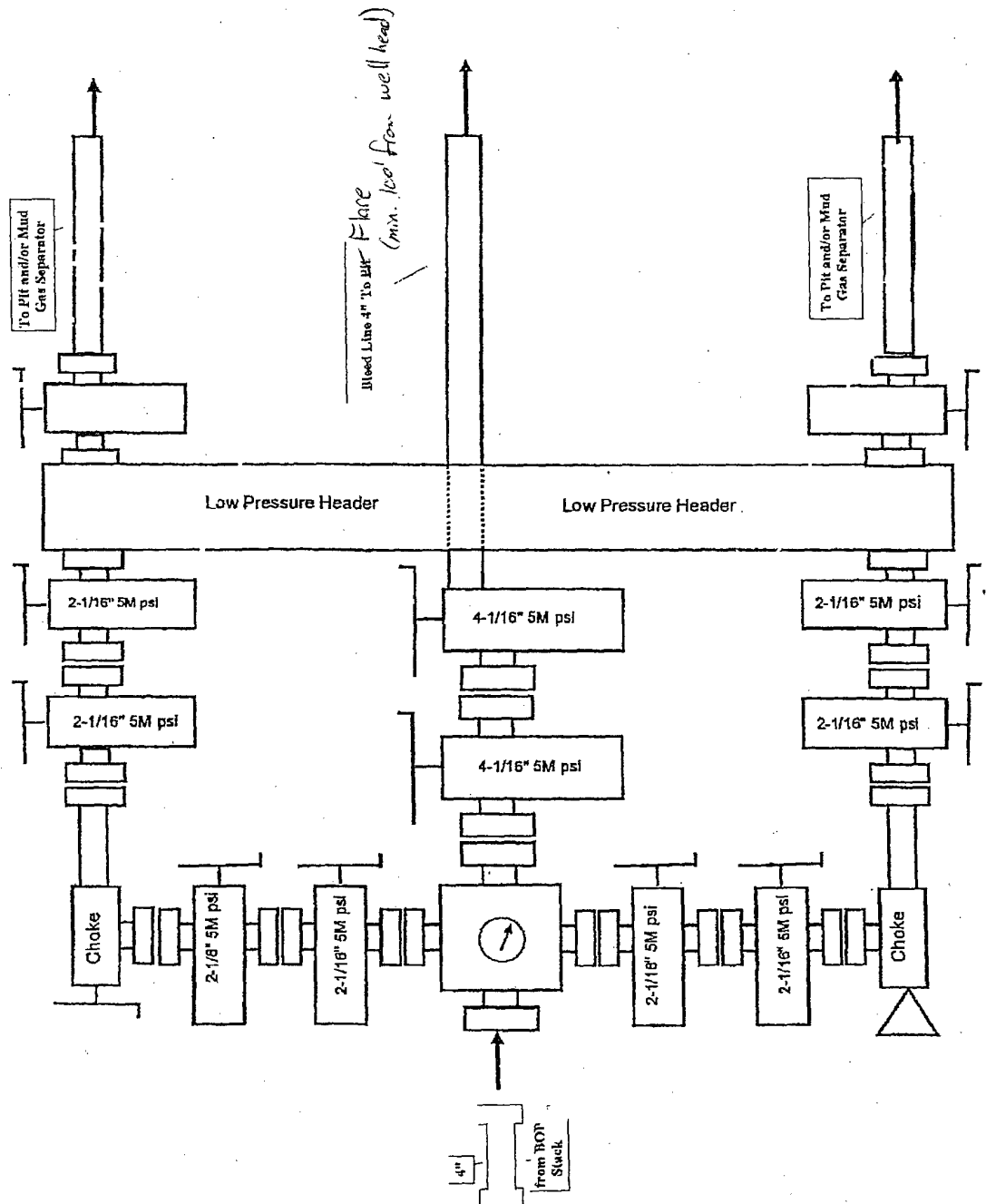


Exhibit B