SECRETARY'S POTASH OCD Hobbs ATS-14-737

HOBBS OCD
MAR 09 2015
RECEIVED

Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. NMNM-73240

6. If Indian, Allotee or Tribe Name N/A

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

8. Lease Name and Well No. FEDERAL 30 #4H <313774>

2. Name of Operator HARVEY E. YATES COMPANY <10179>

9. API Well No. 30-025-42467

3a. Address 500 N. MAIN, SUITE ONE, P.O Box 1933 ROSWELL, NM 88202

3b. Phone No. *(include area code)* 575-623-6601

10. Field and Pool, or Exploratory GEM; BONE SPRING <27220>

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

At surface 330 FNL, 2030 FEL

At proposed prod. zone 330 FSL, 1980 FEL

11. Sec., T. R. M. or Blk. and Survey or Area UL- B, SEC. 30, T-19-S, R-33-E

14. Distance in miles and direction from nearest town or post office* 15 miles south of Maljamar N.M

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 ~~640~~ 643.000

17. Spacing Unit dedicated to this well 160

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 660'

19. Proposed Depth MD ~~TVD~~ 14,320', TVD ~~MD~~ 9,973'

20. BLM/BIA Bond No. on file NM # B000317

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3601' GL

22. Approximate date work will start* 01/01/2015

23. Estimated duration 45 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 [signature] Name *(Printed/Typed)* Keith Cannon Date 04/22/2014

Title DRILLING Superintendent

Approved by *(Signature)* /s/George MacDonell Name *(Printed/Typed)* Date MAR 5 2015

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.

(Continued on page 2)

*(Instructions on page 2)

Capitan Controlled Water Basin

KZ 03/09/15

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

MAR 10 2015

DRILLING AND OPERATIONS PLAN

Harvey E. Yates Company

Well: Federal 30 - #4H

SHL: 330' FNL & 2030' FEL
UL- B, Sec.30 T19S R33E

BHL: 330' FSL, 1980' FEL
UL- O, Sec. 30 T19S R33E,

Lea County, New Mexico

Federal Lease Number: NMNM-073240

ELEVATION: GL 3,601'

GEOLOGICAL NAME OF SURFACE FORMATION: QAL AND VEGETATED SAND DUNES AT SURFACE

Type of Well: Horizontal Oil Well, drill with rotary tools

DEPTH FRESH WATER: POSSIBLE GROUND WATER IN SANTA ROSA 800-950FT, WATER WELL SEC 18, T19S-R33E.

TOPS OF IMPORTANT GEOLOGICAL MARKERS:

	~~MD~~ ~~TVD~~	TVD MD
Rustler	1205'	
Top Salt	1,335'	
Tansill (base salt)	2745'	
Yates	2,940'	
Top Capitan Reef	3,255'	
Base Capitan Reef	3,685'	
Delaware	5,300'	
Bone Spring Ls	7,820'	
1st Bone Spring Sand	8,985	
Bone Spring "B" Carb.	9,255'	
Kick Off Point	9,370'	
2nd Bone Spring Sand	9,525'	9,515'
2nd Sd "B" Bench	9,960'	9,800'
2nd Sd "C" Bench	10,120'	9,920'
End of Curve Target	10.270'	9,940'
Horizontal Target Pay	**14,320'**	**9,970'**

Estimated Depth of Anticipated Water, Oil or Gas:

Santa Rosa	800 '- 950'	Water
Yates - Seven Rivers	2,978' - 3,255'	Oil, Gas and Water
Delaware	5,300 - 7,500'	Oil, Gas and Water
Bone Springs	8,900 - 9,800'	Oil, Gas and Water

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water will be protected by setting 20" casing at ~~1250~~ 1270' and circulating cement back to surface, all other intervals will be isolated by the 13-3/8", 9 5/8 intermediate and 5 1/2" production casing.

CASING PROGRAM

HOLE SIZE	CASING SIZE	WT./GRADE	THREAD/COLLAR	SETTING DEPTH	TOP CEMENT
26"	20" (new)	133# K-55	8rd BTC	~~1250~~ 1270'	Surface
17.5"	13 3/8" (new)	61# J-55	8rd STC	~~2800~~ 3200'	Surface
12.25"	9 5/8" (new)	40# HCL-80	8rd LTC	5,000'	Surface
8.75" (EOC)	5 1/2" (new)	17# HCP-110	8rd LTC	9200'	4,500ft
7.875"	5 ½" (new)	17# HCP-110	8rd/ BPN	14,320'	

See COA

Size	Weight (lbs/ft)	Grade	Connection	Collapse (psi)	Burst (psi)	Tension (M lbs)
SURFACE				REQ'D 1.125	1.1	1.8
20	133	K-55	BTC	1500 / 2.45	3060 / 3.06	2123 / 12.77
INTERMEDIATE				REQ'D 1.125	1.1	1.8
13 3/8	61	J-55	STC	1540 / 2.09	3090 / 3.66	962 / 5.63
INTER 2A				REQ'D 1.125	1	1.8
9 5/8	40	HCL-80	LTC	4230 / 1.73	5750 / 3.81	837 / 4.90
PRODUCTION				REQ'D 1.125	1	1.8
5 1/2	17	HCP-110	LTC	8580 / 1.87	10640 / 3.27	485 / 2.32
					10640 / 2.13	
5 1/2	17	HCP-110	BPN	8580 / 1.76	10640 / 3.08	485 / 6.71

ALL CASING WILL BE NEW API APPROVED

CEMENT PROGRAM-ALL CEMENT BLENDS WILL BE TESTED TO BLM MINIMUM REQUIREMENTS.

A. **20"** **SURFACE** CEMENT TO SURFACE **100% EXCESS OVER CALCULATED**

LEAD: 2,000 SACKS CLASS "C" +4% BENTONITE +2% CACL +.25# CELLO-FLAKE+.25% DEFOAMER, 13.5 PPG, 1.75 YIELD, 8.829 GAL/SKS

TAIL: 250 SACKS CLASS C + .25% DEFOAMER 14.8 PPG, 1.34 YIELD, 6.32 GAL/SKS

B. **13 3/8"** **INTERMEDIATE** CEMENT TO SURFACE **50% EXCESS OVER CALCULATED**

See COA

LEAD 1,400 SACKS CLASS "C" + 4% BENTONITE +2% CACL +.25# CELLO-FLAKE+.25% DEFOAMER, 13.5 PPG, 1.75 YIELD, 8.83 GAL/SKS

TAIL: 250 SACKS CLASS "C"+2%CACL+.25# CELLO-FLAKE+.25% DEFOAMER, 14.8 PPG, 1.35 YIELD, 6.32 GAL/SKS

C. **9 5/8"** **2ND INTERMEDIATE** CEMENT TO SURFACE **50% EXCESS OVER CALCULATED**

LEAD 1050 SACKS CLASS "C" 35/65 +6% BENTONITE+5% SALT+.25% DEFOAMER 12.8 PPG, 1.9 YIELD, 9.6 GAL/SKS

TAIL 250 SACKS CLASS "C" + .25% DEFOAMER, 14.8 PPG, 1.33 YIELD, 6.32 GAL/SKS

50' above Capitan Reef estimated @ 3665'

D. **5 1/2"** **PRODUCTION** CEMENT TO ~~5,500FT~~ (WILL RUN FLUID CALIPER) **25% EXCESS OVER FLUID CALIPER, OR 50% OVER CALCULATED.**

See COA

LEAD 850 SACKS CLASS H 50/50 +10% BENTONITE +.15% C-20 RETARDER +3# STAR SEAL +.3% C-12 FLUID LOSS+3% SALT+.25% DEFOAMER, 11.8 PPG, 2.37 YIELD, 13.8 GAL/SKS

TAIL 250 SACKS CLASS "H" STAR BOND+.5% FL-10+.2%C-20, +3# GILSONITE+.25% DEFOAMER+3% SALT 13.2 PPG, 1.6 YIELD, 8.8 GAL/SAK

SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT: (EXHIBIT #5)

test to 2000 psi

A 2000# WP rotating head will be installed before drilling out the 20" casing shoe. A 2000# annular will be installed after running 13-3/8" casing. A 3000# WP Double Ram BOP and 3,000 annular will be installed after running the 9-5/8" casing. Pressure test 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 use. BOPE will be tested to 250psi low & 3000psi high and the annular to 250psi low & 1500psi high with a third party testing company before drilling below 9 5/8" casing shoe. If operations last more than 30 days from 1st test, will test again as per BLM Onshore Oil and Gas order #2,

See COA

MUD PROGRAM:

Drill 26" surface hole with **fresh water (8.4 to 8.7 ppg)** to a depth of approx ~~1250'~~ 1270'. Control lost circulation with paper and LCM pills. Viscosity 28-55, no fluid loss control. Fresh water gel sweeps.

Drill 17-1/2" hole from ~~1250'~~ 1270' to ~~2,800'~~ 3200' with **Brine (9.5 to 10.0 ppg)**. Control lost circulation with paper and LCM pills. Viscosity 28-30, no fluid loss control. Salt water gel sweeps.

See COA

Drill 12-1/4" hole from ~~2,800'~~ 3200' to 5,000 with **fresh water (8.4 to 8.7 ppg)**. Control lost circulation with paper and LCM pills. Viscosity 28-55, no fluid loss control. Fresh water gel sweeps.

Drill 8 ¾" production hole from 5,000' to End of Curve (EOC) **10,232'** MD 9,970' TVD. At EOC, hole size reduced to 7 7/8" drilling lateral hole to 14,320' MD 9,970' TVD using **fresh water (8.4 to 8.7 ppg) or cut brine (8.4 to 9.0 ppg)**. Control lost circulation with paper and LCM pills. From 6300' to EOC (8.7 to 9.0 ppg) control filtrate with starch and water loss additives. Clean hole with pre-hydrated freshwater gel sweeps, as necessary. System properties: viscosity 34-40, fluid loss <20 ml/30min.

All necessary mud products for weight addition and fluid loss control will be on location at all times. Mud program subject to change due to hole conditions.

TESTING, LOGGING & CORING PROGRAM:

a. Testing: No DST's are expected.
b. Open hole logs are planned at TD of vertical hole @ 9370',
    1. Halliburton Triple Combo
c. Mud logging – catch 10' cutting samples from 3,250ft to TD
d. Gyro survey will be run at KOP of 9,370'
e. MWD (directional) and MWD (gamma) surveys will be taken from KOP (9,370') to TD.

POTENTIAL HAZARDS:

See COA

No significant hazards are expected to lateral TD 14,320' MD of 9,370ft. No abnormal pressure or temperatures are expected. **Expected pressure gradient is 0.35 psi/ft. as estimated from static pressure tests conducted on nearby wells. (Estimated at TVD: BHP= 3,479 psi & BHT= 143 degrees F).** Lost circulation may occur. No H_2S is anticipated, but operator will maintain a 3rd party H_2S monitoring package from 2800' to TD. If H2S is encountered, operator will comply with the provisions of Onshore Oil & Gas Order #6. All personnel will be trained & familiar in all aspects for safely operating the equipment used to drill this well.

ANTICIPATED STARTING DATE & DURATION:

Harvey E. Yates (Heyco) anticipates drilling operations to begin after receiving approved APD. Expected time to drill is approximately 45 days with an additional 15 days needed for completion. Road and location construction will start shortly after BLM has approved the APD.

Keith Cannon
Harvey E. Yates

HORIZONTAL WORKSHEET

11/13/12

WELL NAME: Federal 30 #4H
SURFACE LOCATION: 330 FNL & 1980 FEL
SEC TOWNSHIP RANGE 30 19S 33E

TARGET DEPTH: 9970 FT TVD @TD
TARGET ANGLE: 180.00 DEGREES.
PLANNED HZ LENGTH: 4620 FT
PLANNED KOP: 9370 FT TVD

COUNTY: Lea
STATE: NM
FORMATION: Bone Spring 2nd Sd
MAXIMUM ROB: 10 DEG/100 FT
FORMATION DIP: 1.1 DEGREES
DIRECTION: 140 AZIMUTH.
DECLINATION: N9E DEGREES
STARTING PT: 0.001 DEGREES
AT 30 FEET

BEGINNING SURVEY

COMPANY: 0

SURVEY TYPE: 0

DEPTH FROM 0 FT
TO 0 FT

	MD (Ft)	INCL (deg)	AZIMUTH (deg)	TVD (Ft)	COORDINATES (N+/S-)	(E+/W-)	VERT.SEC (Ft)
TIE IN POINT	1300.00	0.25	145.00	1300.00	-0.01	0.01	0.01

MEASURED DEPTH (ft)	INCL ANGLE (degrees)	HOLE AZIMUTH (degrees)	COURSE LENGTH (ft)	T.V.D. (ft)	TOTAL VERT.SEC (ft)	COORDINATES (N+/S-) (ft)	(E+/W-) (ft)	CLOSURE DISTANCE (ft)	DOGLEG SEVERITY (deg/100)	BUILD RATE (deg/100)
2000.0	0.3	140.0	700.0	2000.0	2.7	-2.7	2.1	3.4	0.0	0.0
2500.0	0.4	135.0	500.0	2500.0	4.8	-4.8	4.0	6.2	0.0	0.0
3000.0	0.4	130.0	500.0	3000.0	7.0	-7.0	6.4	9.5	0.0	0.0
3500.0	0.5	125.0	500.0	3500.0	9.2	-9.2	9.3	13.1	0.0	0.0
4000.0	0.5	120.0	500.0	3999.9	11.5	-11.5	12.8	17.2	0.0	0.0
4500.0	0.6	115.0	500.0	4499.9	13.6	-13.6	16.9	21.7	0.0	0.0
5000.0	0.6	110.0	500.0	4999.9	15.5	-15.5	21.5	26.5	0.0	0.0
5500.0	0.7	105.0	500.0	5499.9	17.1	-17.1	26.7	31.7	0.0	0.0
6000.0	0.7	100.0	500.0	5999.8	18.4	-18.4	32.5	37.3	0.0	0.0
6500.0	0.8	95.0	500.0	6499.8	19.2	-19.2	38.7	43.2	0.0	0.0
7000.0	0.8	90.0	500.0	6999.7	19.5	-19.5	45.5	49.5	0.0	0.0
7500.0	0.9	85.0	500.0	7499.7	19.2	-19.2	52.7	56.1	0.0	0.0
8000.0	0.9	80.0	500.0	7999.6	18.2	-18.2	60.2	62.9	0.0	0.0
8500.0	1.0	75.0	500.0	8499.6	16.5	-16.5	68.1	70.1	0.0	0.0
9000.0	1.0	70.0	500.0	8999.5	13.9	-13.9	76.2	77.5	0.0	0.0
9370.0	1.0	65.0	370.0	9369.4	11.4	-11.4	82.3	83.1	0.0	0.0
9470.0	10.0	240.0	100.0	9468.9	17.0	-17.0	85.2	86.9	11.0	9.0

Federal 30 #4H

DATE
11/13/12

MEASURED DEPTH (ft)	INCL ANGLE (degrees)	HOLE AZIMUTH (degrees)	COURSE LENGTH (ft)	T.V.D. (ft)	TOTAL VERT.SEC (ft)	COORDINATES (N+/S-) (ft)	(E+/W-) (ft)	CLOSURE DISTANCE (ft)	DOGLEG SEVERITY (deg/100)	BUILD RATE (deg/100)
9570.0	20.0	210.0	100.0	9565.3	35.0	-35.0	67.2	75.7	12.4	10.0
9670.0	30.0	180.4	100.0	9655.9	75.3	-75.3	56.2	94.0	15.7	10.0
9770.0	40.0	180.3	100.0	9737.7	132.6	-132.6	55.9	143.9	10.0	10.0
9870.0	50.0	180.4	100.0	9808.3	203.2	-203.2	55.4	210.6	10.0	10.0
9970.0	60.0	180.3	100.0	9865.6	285.0	-285.0	54.9	290.3	10.0	10.0
10070.0	70.0	180.4	100.0	9907.8	375.5	-375.5	54.4	379.5	10.0	10.0
10170.0	80.0	180.3	100.0	9933.6	472.0	-472.0	53.8	475.1	10.0	10.0
10270.0	90.0	180.4	100.0	9942.3	571.5	-571.5	53.2	574.0	10.0	10.0
10400.0	89.6	180.3	130.0	9942.8	701.5	-701.5	52.4	703.5	0.4	-0.3
10500.0	89.6	180.4	100.0	9943.6	801.5	-801.5	51.8	803.2	0.1	0.0
11000.0	89.6	180.3	500.0	9947.5	1301.5	-1301.5	48.7	1302.4	0.0	0.0
11500.0	89.6	180.4	500.0	9951.4	1801.4	-1801.4	45.7	1802.0	0.0	0.0
12000.0	89.6	180.3	500.0	9955.3	2301.4	-2301.4	42.6	2301.8	0.0	0.0
12500.0	89.6	180.4	500.0	9959.2	2801.4	-2801.4	39.6	2801.7	0.0	0.0
13000.0	89.6	180.3	500.0	9963.0	3301.4	-3301.4	36.5	3301.6	0.0	0.0
13500.0	89.6	180.4	500.0	9966.9	3801.4	-3801.4	33.4	3801.5	0.0	0.0
14000.0	89.6	180.3	500.0	9970.8	4301.3	-4301.3	30.4	4301.4	0.0	0.0
14320.0	89.6	180.4	320.0	9973.3	4621.3	-4621.3	28.4	4621.4	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FOR GRAPHING

MD	VERT	TVD	ROB	+E/-W	+N/-S
1300	0	-1300		0.01	-0.01
2000	3	-2000	0.0	2.054635	-2.67462
2500	5	-2500	0.0	3.970098	-4.76498
3000	7	-3000	0.0	6.38205	-6.97513
3500	9	-3500	0.0	9.323498	-9.23218
4000	11	-4000	0.0	12.81834	-11.4686
4500	14	-4500	0.0	16.88082	-13.5734
5000	15	-5000	0.0	21.51514	-15.493
5500	17	-5500	0.0	26.7151	-17.1326
6000	18	-6000	0.0	32.464	-18.4071
6500	19	-6500	0.0	38.73454	-19.2326
7000	20	-7000	0.0	45.4889	-19.5275
7500	19	-7500	0.0	52.679	-19.2136
8000	18	-8000	0.0	60.24679	-18.2173
8500	16	-8500	0.0	68.12476	-16.4708
9000	14	-8999	0.0	76.23647	-13.9131
9370	11	-9369	0.0	82.3197	-11.3934
9470	17	-9469	9.0	85.22244	-16.9695
9570	35	-9565	10.0	67.15247	-35.0395
9670	75	-9656	10.0	56.20659	-75.3196
9770	133	-9738	10.0	55.85866	-132.603
9870	203	-9808	10.0	55.42726	-203.223
9970	285	-9866	10.0	54.92751	-285.033
10070	376	-9908	10.0	54.37458	-375.547
10170	472	-9934	10.0	53.78528	-472.015
10270	572	-9942	10.0	53.17752	-571.506
10400	702	-9943	-0.3	52.38341	-701.503
10500	801	-9944	0.0	51.77256	-801.498
11000	1301	-9948	0.0	48.71835	-1301.47
11500	1801	-9951	0.0	45.66413	-1801.45
12000	2301	-9955	0.0	42.60992	-2301.42
12500	2801	-9959	0.0	39.5557	-2801.4
13000	3301	-9963	0.0	36.50149	-3301.38
13500	3801	-9967	0.0	33.44728	-3801.35
14000	4301	-9971	0.0	30.39306	-4301.33
14320	4621	-9973	0.0	28.43836	-4621.31
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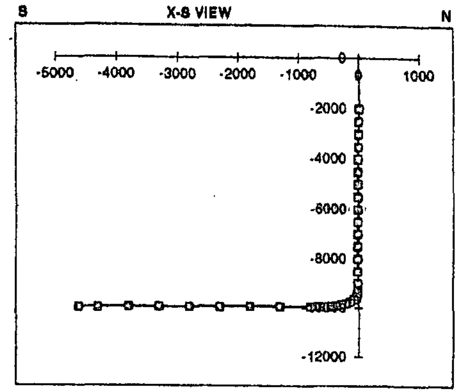
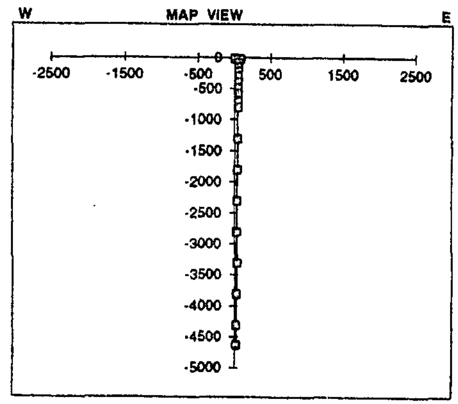
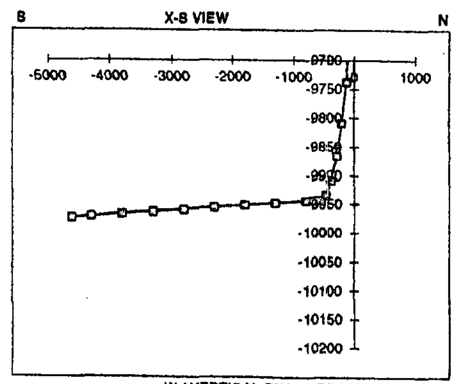


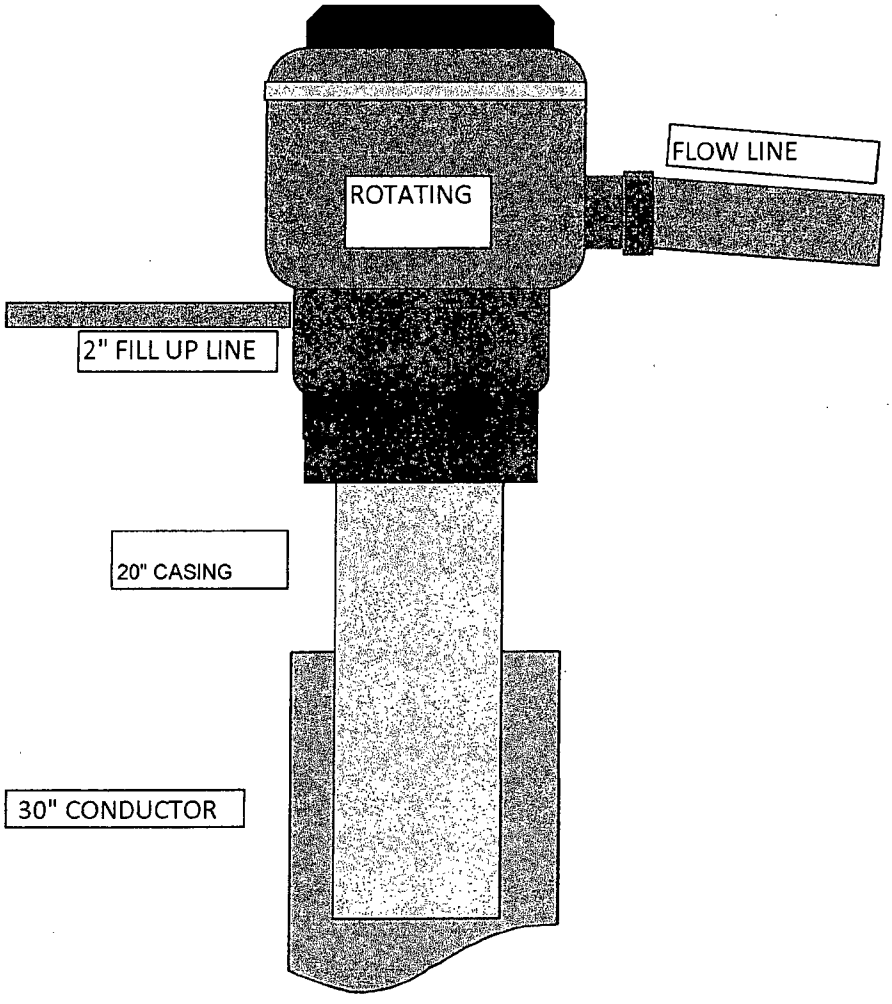




W / VERTICAL EXAGGERATION

2M BOP SYSTEM
HARVEY E. YATES 20" CASING DIVERTER

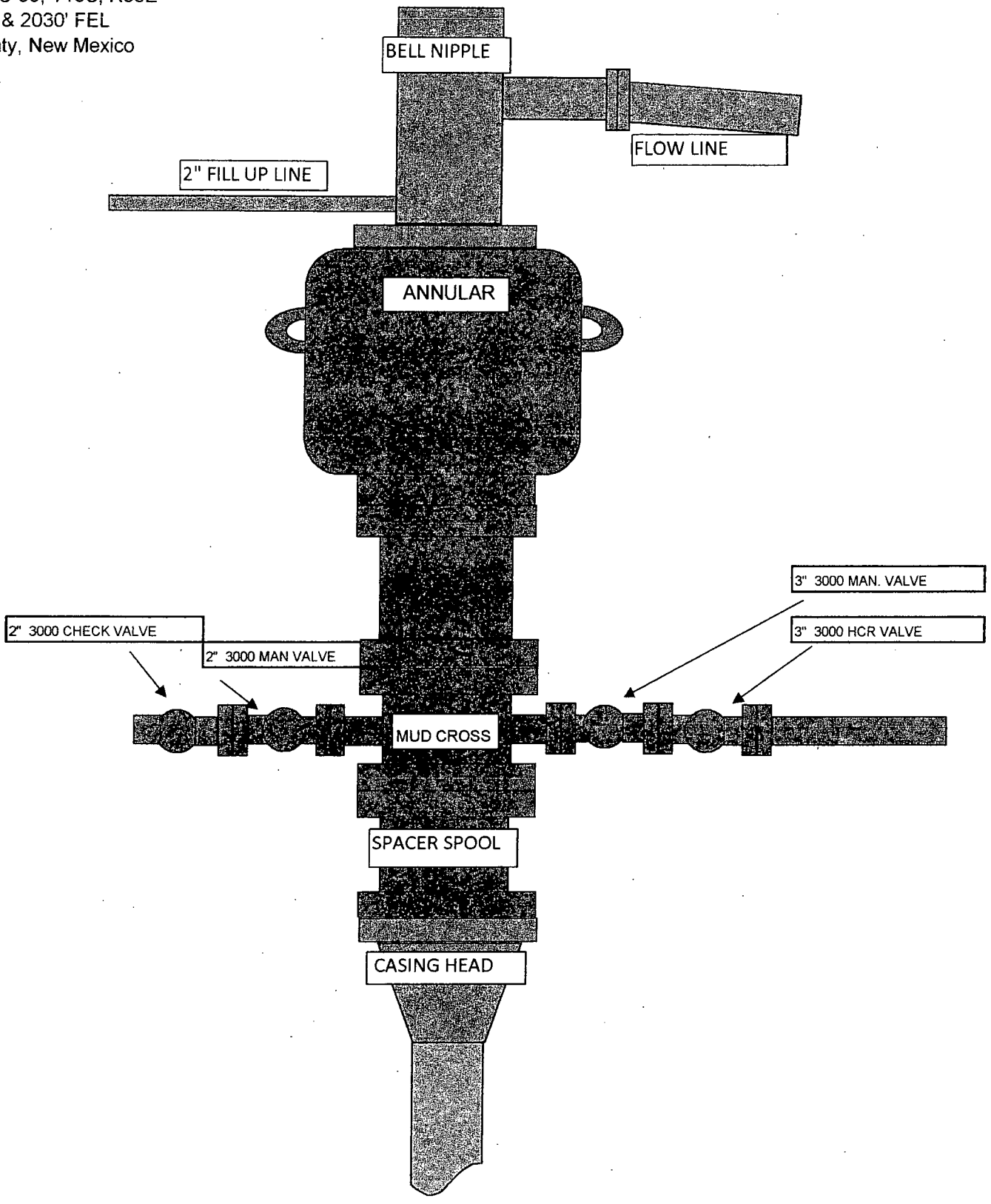
Federal 30 - #4H
UL-B, SEC 30, T19S, R33E
330' FNL & 2030' FEL
Lea County, New Mexico



13 5/8" 2M BOP SYSTEM

HARVEY E. YATES

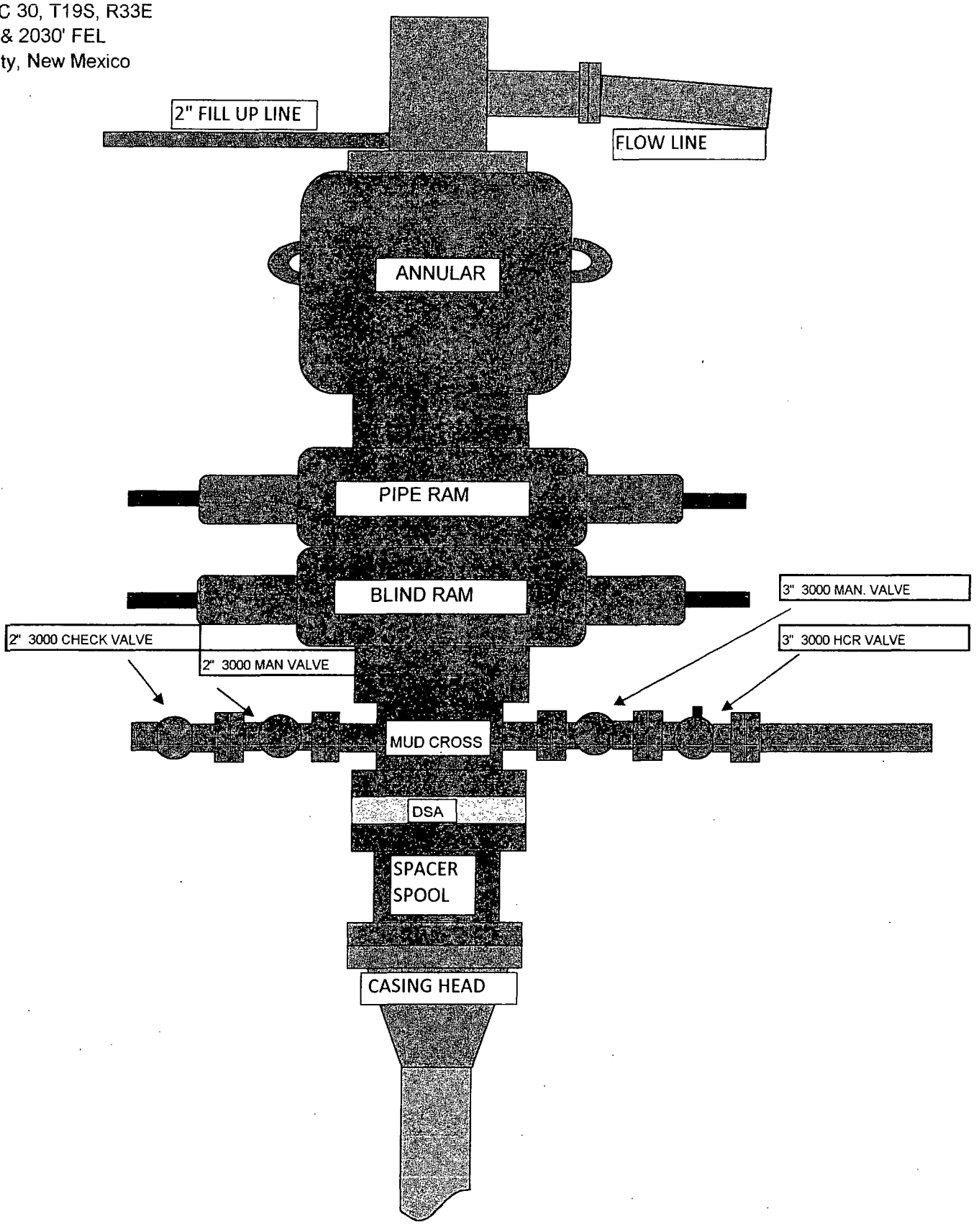
Federal 30 - #4H
UL-B, SEC 30, T19S, R33E
330' FNL & 2030' FEL
Lea County, New Mexico



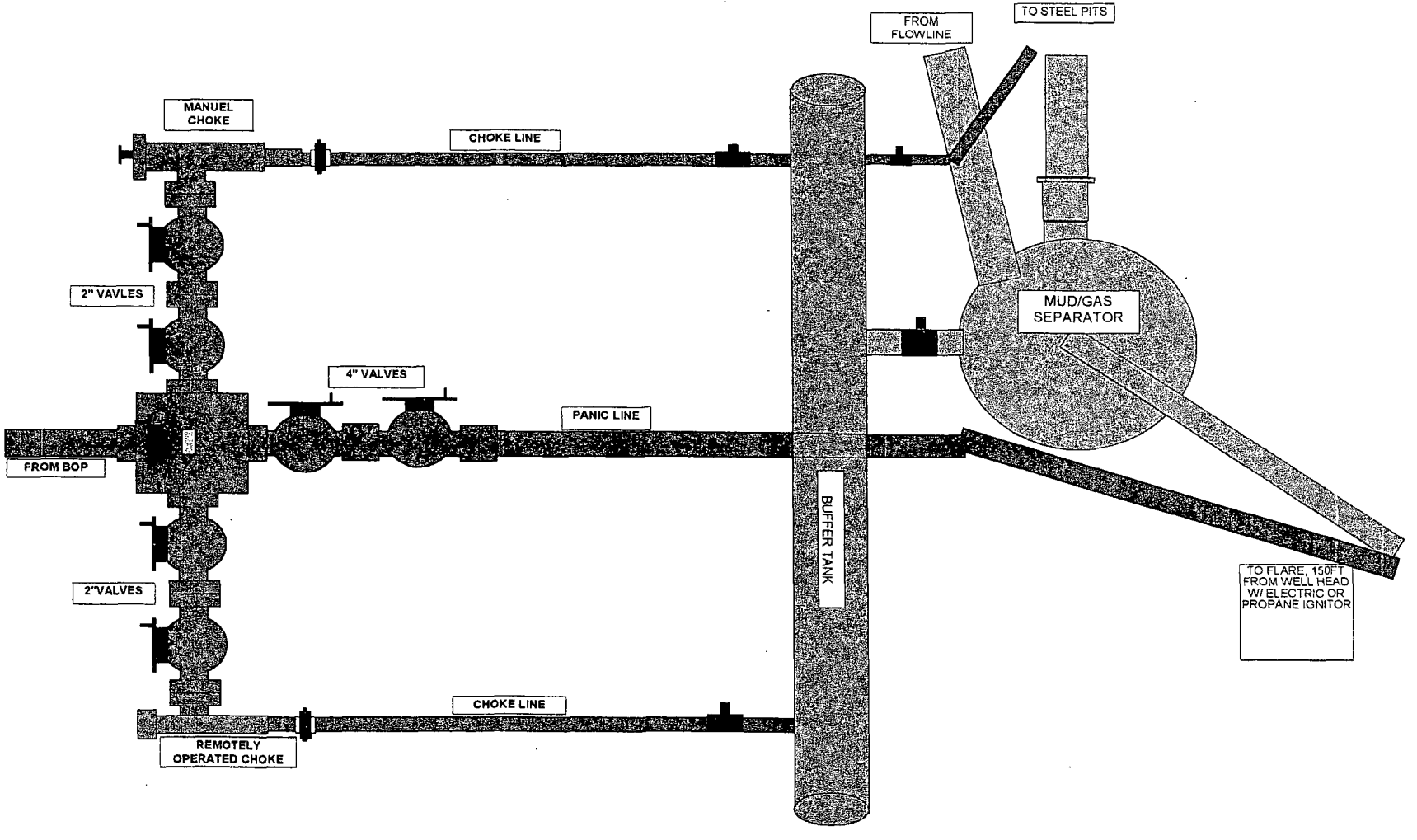
11" 3M BOP SYSTEM

HARVEY E. YATES

Federal 30 - #4H
UL-B, SEC 30, T19S, R33E
330' FNL & 2030' FEL
Lea County, New Mexico

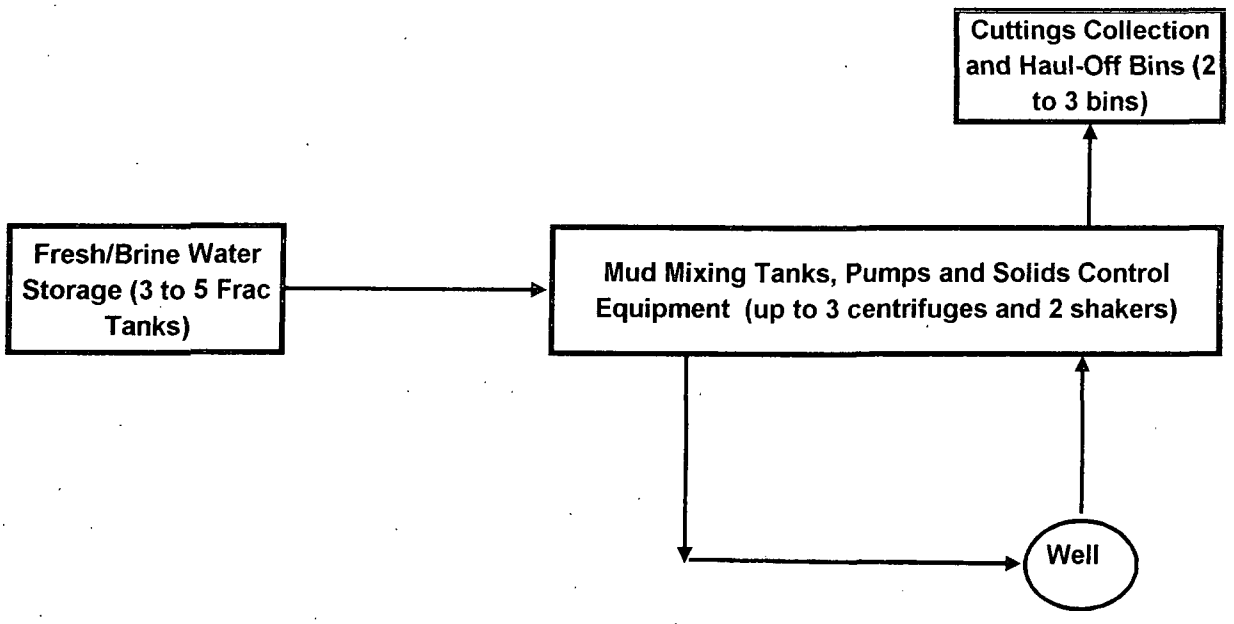


HARVEY E. YATES COMPANY
Federal 30 - 4H
3000 psi BOP Manifold System



CLOSED-LOOP SYSTEM

Design Plan:



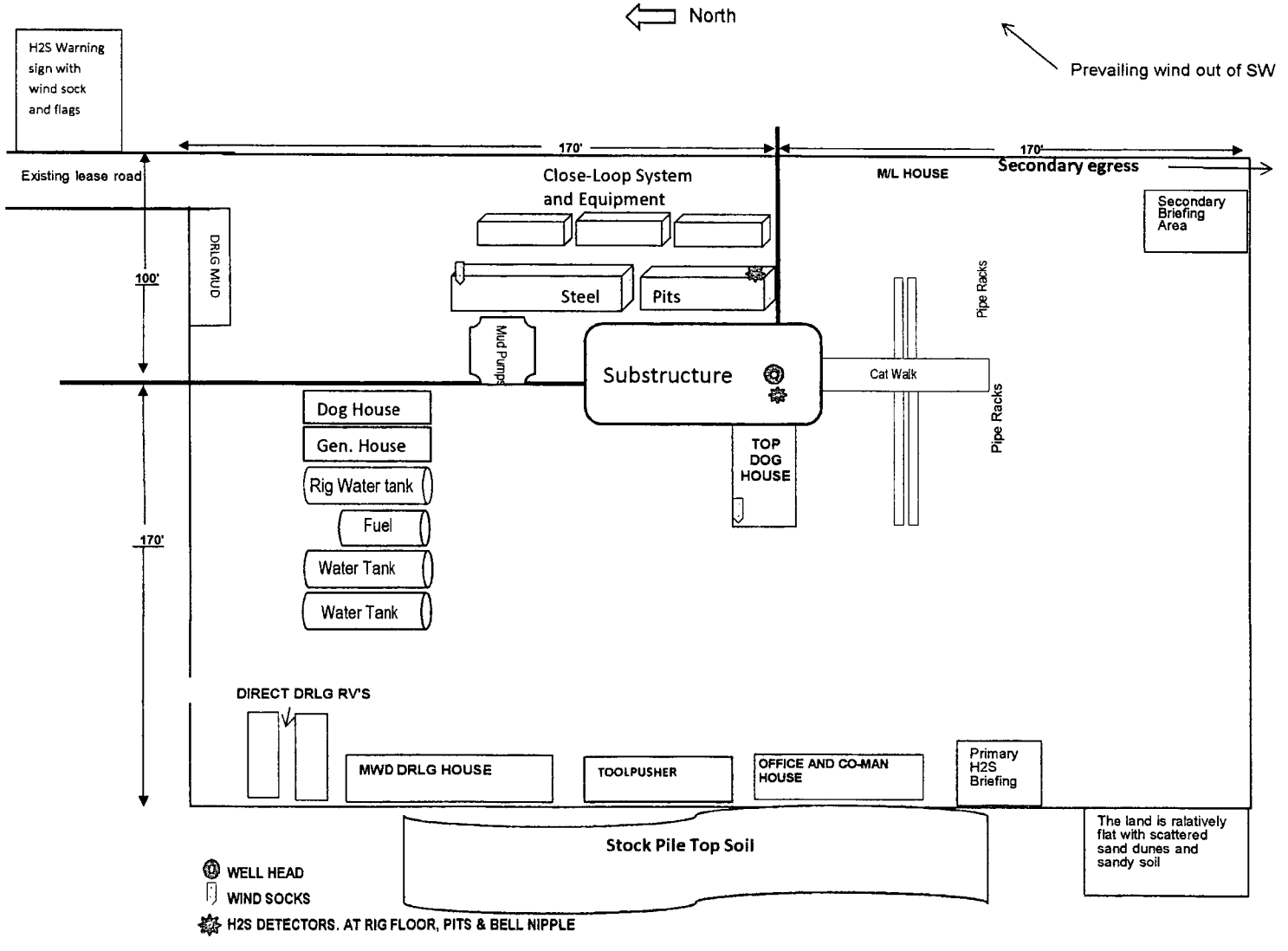
Operating and Maintenance Plan:

During drilling operations, third party service companies will utilize solids control equipment to remove cuttings from the drilling fluid and collect it in haul-off bins. Equipment will be closely monitored at all times while drilling by the derrick man and the service company employees.

Closure Plan:

During drilling operations, third party service companies will haul-off drill solids and fluids to an approved disposal facility R360, Permit # NM-01-0019 Or GMI, Permit # NM-01-0006. At the end of the well all closed loop equipment will be removed from the location and location will be clean up.

EXHIBIT "D" LOCATION DIAGRAM
Harvey E. Yates
Federal 30 #4H
330' FNL & 2030' FEL
UNIT B, SEC 30, T19S, R33E
Lea County, NM



HARVEY E. YATES

500 N. MAIN, STE. ONE
ROSWELL, NM 88201
(575) 623-6601 (Office)
(575) -624-5321 (Fax)

04/24/14

Mr. Wesley Ingram
Carlsbad BLM Field Office
620 E. Greene St.
Carlsbad, NM 88220

Re: Federal 30 #4H
SHL: 330' FNL & 2030 FEL UL A
Sec. 30, T19S, R33E
Lea, NM
Rule 118 H2S Exposure

Dear Mr. Ingram,

Nadel and Gussman Permian, LLC have evaluated this well and we do not expect to encounter hydrogen sulfide. However, we will employ a third party monitoring system. We will begin monitoring prior to drilling out the surface casing and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

Sincerely,

Keith Cannon
Drilling Superintendent