HOEBS OCD

Form 3160-3 (March 2012) AUG 0 8 2013				OMB	APPROVE No. 1004-013 October 31, 2	37	
UNITED STATE RECEIVED DEPARTMENT OF THE	5. Lease Serial No. NM-90						
BUREAU OF LAND M APPLICATION FOR PERMIT	6. If Indian, Allotee or Tribe Name						
	- "			7. If Unit or CA Ag	reement No	me and No.	
la. Type of work:	ENTER				Lancini		
lb. Type of Well: Oil Well Gas Well Other		Single Zone Multi	ple Zone	8. Lease Name and Amazing BAZ Fed		<u> </u>	
2. Name of Operator Yates Petroleum Corporation	<	16518>		9. API Well No. 30-025-4132h			
3a. Address 105 S. Fourth St. Artesia, NM 88210	1	ione No. (include area code) 748-4120		10 End and Pool of Explosion Sin Undesignated/Bone Spring			
4. Location of Well (Report location clearly and in accordance wi	ith arry State	requirements.*)		11. Sec., T. R. M. or		rvey or Area	व
At surface 330' FNL & 1650' FEL Uni +	. 13	4		Section 19, T22S-R32E			
At proposed prod. zone 330' FSL & 1980' FEL 14. Distance in miles and direction from nearest town or post office.	lait	0		12. County or Parish		13. State	
38 North West of Jal, NM				Lea		NM	
15. Distance from proposed* 330' location to nearest	16. N	No. of acres in lease	1		ng Unit dedicated to this well		
property or lease line, ft. (Also to nearest drig, unit line, if any)	1760	160 acr		es, wzez			
18. Distance from proposed location* 2 miles	19. P	Proposed Depth	BIA Bond No. on file				
to nearest well, drilling, completed, 2 miles applied for, on this lease, ft.		D' Pilot hole, 9300' TVD 29' TD	0434 0920				
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. A	approximate date work will sta	23. Estimated duration				
3643'		/15/2013 30 days					
The following, completed in accordance with the requirements of O.		Attachments	44	in former			<u> </u>
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sys SUPO must be filed with the appropriate Forest Service Office) 	stem Lands,	4. Bond to cover the ltem 20 above). the 5. Operator certifi	he operation	ons unless covered by a formation and/or plans a	J		•
25. Signature		Name (Printed/Typed)		Date			
Title Land Regulatory Agent		Travis Hahn			01/03/2	2013	
Approved by (Signature) /s/George MacDonel	I	Name (Printed/Typed) Geo	lacDonell	Date AUG	6 - 6	2013	
FIELD MANAGER	FIELD MANAGER Office CARL SBAD FIELD						
Application approval does not warrant or certify that the applicant conduct operations thereon. Conditions of approval, if any, are attached.	holds legal	or equitable title to those righ	its in the sul	oject lease which would APPROVAL			EARS
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make is States any false, fictitious or fraudulent statements or representation	t a crime fo	r any person knowingly and natter within its jurisdiction.	willfully to r	nake to any department	or agency	of the Unite	==== :d
(Continued on page 2)		Ke	. (1 1411)	Carlsbad Cor	tructions	d Wate	 r Basir
	-	UV		•	•		

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Approval Subject to General Requirements & Special Stipulations Attached

Zy Z

YATES PETROLEUM CORPORATION

Amazing BAZ Federal #7H 330' FNL & 1980' FEL, Surface Hole 330' FSL & 1650' FEL, Bottom Hole Section 19 –T22S-R32E Lea County, New Mexico

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

Rustler	800'	Bone Springs	8480'
Top of Salt	950'	Avalon Shale Target	9300' Oil
Base of Salt	4345'	Bone Springs 1/SD	9580' Oil
Bell Canyon	4650'	TD *	9700' Oil
Cherry Canyon	5540'		
Brushy Canyon	6830'	Lateral Hole (TD)	13726' ME

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approx.: 0' - 396' & 1743' - 3550' Oil or Gas: See above--All Potential Zones

- 3. Pressure Control Equipment: A 3000 PSI BOP with a 13 5/8" opening will be installed on the 13 3/8" casing and also on the 9 5/8" casing. Pressure tests to 3000 PSI and held for 30 minutes will be conducted before drilling out from under all casing strings, which are set and cemented in place. Blowout Preventer controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit.
- 4. Auxiliary Equipment:
 - A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
- 1. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program: (All New) 13 3/8" will be J-55/H-40 Hybird

	<u>Hole Size</u>	Casing Size	<u>VVt./⊢t</u>	<u>Grade</u>	Coupling	<u>Interval</u>	Length
C	26"	20"	94#	H-40	Buttress Thread	0-58'	58'
See Cor	17 ½"	13 3/8"	48#	J-55	ST&C	0-825-94C	' ₋₈₂₅ '-
	12 1/4"	9 5/8"	40#	J-55	LT&C	0'-100'	100'
	12 1/4"	9 5/8"	36#	K-55	LT&C	100'-3300'	3200'
SEE	12 ¼"	9 5/8"	40#	J-55	LT&C	3300'-4450" 44	C9450 -
COA	8 3/4"	5 1/2"	17#	L-80	LT&C	0'-8800'	8800'
	8 1/2"	5 1/2"	17#	L-80	Buttress Thread	8800'-13729'	4929'

Minimum Casing Design Factors: Burst 1.0, Tensile 1.8, Collapse 1.125

Amazing BAZ Federal #7H Page Two

B. CEMENTING PROGRAM:

Surface casing: 855 sacks of Class C + 2% CaCl2 (YLD 1.34 WT 14.80). Designed with 100% excess, TOC is surface.

Intermediate Casing (0'-4450'): Lead with 1255 sacks of Class C-Lite + 2% CaCl2 (YLD 2.00 WT 12.50); tail in with 210 sacks of Class C + 2% CaCl2 (YLD 1.34 WT 14.80). Designed with 100% excess, TOC is surface.

Production Casing: Cement to be done with DV Tool in two stages at approximately 8500' & 6000'.

Stage 3 from 3950'-6000': Lead with 400 sacks of Class C-Lite + 2% CaCl2 (YLD 2.00 WT. 12.50); tail in with 200 sacks of Class C + 2% CaCl2 (YLD 1.34 WT 14.80). Designed with 35% excess, TOC-3950'.

Stage 2 from 6000'-8500': Lead with 510 sacks Class C-Lite + 2% CaCl2 (YLD 2.00 WT 12.50); tail in with 200 sacks of Class C + 2% CaCl2 (YLD 1.34 WT. 14.80).

Stage 1 from 8500'-13729: Cement with 1350 sacks of Pecos VILt (WT13.00 YLD 1.83) additives include 30% CaCO, 3.2% Expansion additive, 2% Antifoam, .8% Retarder, 15 Fluid loss. TOC- 4000' Designed with 35% excess.

Well will be drilled vertically with a pilot hole to a depth of 9700'. Isolation plug will be cemented from 9700' to 9500' with 100 sacks of Class H [YLD 0.94 WT 17.5] additive's being Fresh water is 3.352 gal/sack, Dispersant is 0.030 gal/sack, Retarder Acc is 0.070 gal/sack, and Antifoam 0.020 gal/sack, plug designed with 10% excess. Kick off plug will be at 9100' to 8600' with 300 sacks of Class H [YLD 0.94 WT 17.5] additive's being Fresh water 3.352 gal/sack, 0.3 gal/sack dispersant, 0.06 gal/sack retarder, and 0.02 gal/sack antifoam, plug designed with 35% excess. Well will then be kicked off at 8823' and drilled directionally at 12 degrees per 100' with a 8 ¾" hole to 9573' MD (9300' TVD). Hole will then be reduced to 8 ½" and drilled to 13729' MD (9300' TVD) where 5 ½" casing will be set and cemented. Penetration point of producing zone will be encountered at 806' FNL & 1681' FEL, Section 19-22S-32E. Deepest TVD in the pilot hole 9700', deepest TVD in the lateral will be 9300'. DV tools to be placed at 8500' and 6000' on production casing well will be cemented in three stages.

5. Mud Program and Auxiliary Equipment:

Interval	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
0-825' 940	Fresh Water	8.6-9.2	28-32	N/C
Interval 0-825' 940 825'-4450' 4600	Brine Water	10.0-10.2	28-30	N/C
4450'-9700'	Cut Brine	9.0-9.2	30-32	N/C
8823'-13729'	Cut Brine (lateral)	9.0-9.2	32-34	<10-12

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM: See

Samples: 30' samples to 4450'. 10' samples 4450' to TD.

Logging: Platform Express CMR, Dipole Sonic

Coring: As warranted. DST's: As warranted.

Mudlogging: On surface casing to TD (825'-13729')

7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

From: 0 TO: 825' Anticipated Max. BHP: 380 PSI 825' From: TO: 4450' Anticipated Max. BHP: 2150 PSI 4450' TO: 9700" Anticipated Max. BHP: From: 3875 PSI

No abnormal pressures or temperatures are anticipated.

H2S Not Anticipated

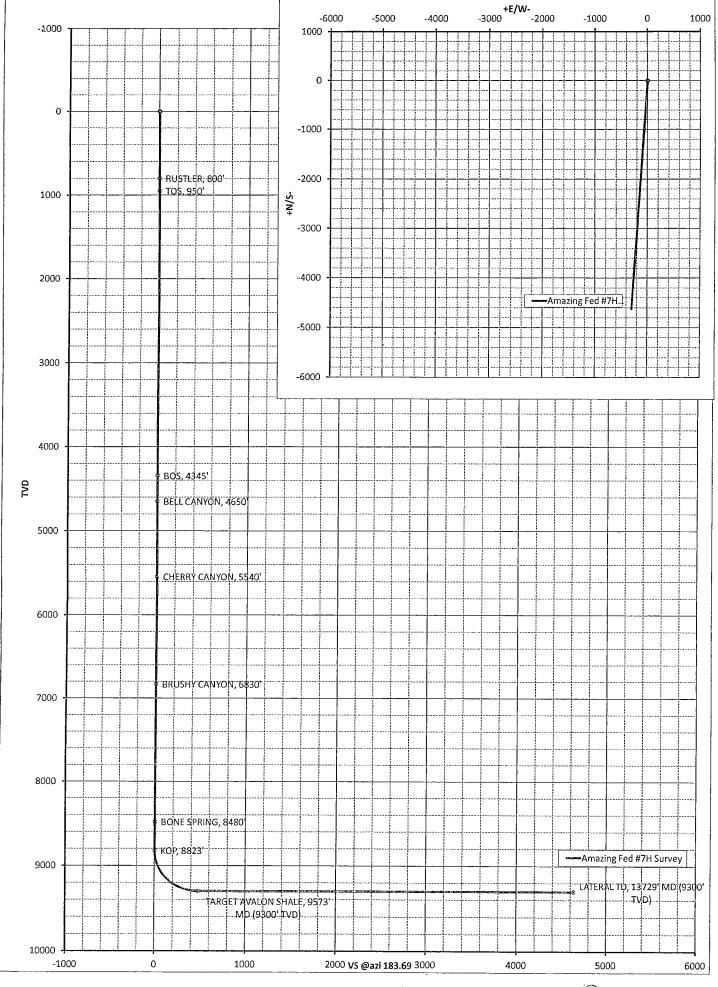
8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 65 days to drill the well with completion taking another 30 days.

Operator Co.

Your Co.

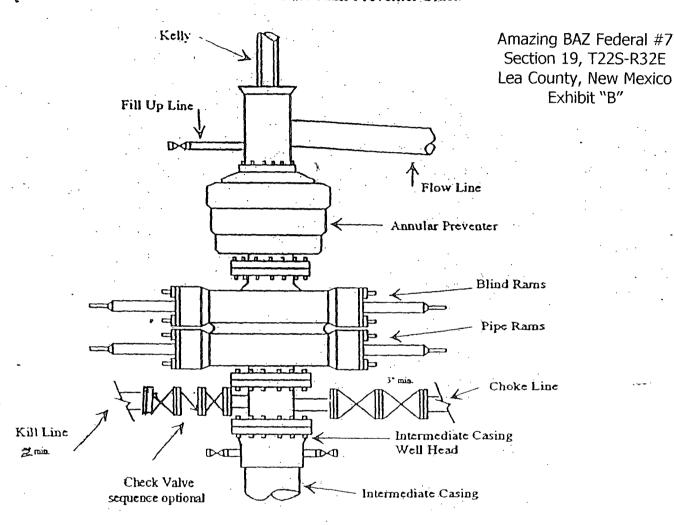
	7,0		ele Service	Survey/Plann	iing Report				and Mark
Operator	Yates Peti	oleum Cor	э.	Northing				12-Jun-12	
	Yates Petroleum Corp.			Easting	1		System	2 - St. Plane	•
Well Name	Amazing Fed #7H Survey			Elevation	ı		Datum	1983 - NAD	83
Location	Sec. 19, 22	2S-32E		Latitude	1		Zone	4302 - Utah	Central
Rig		•		Longitude			Scale Fac.		
Job				Units	Feet	- array - arra	Converg.		
MD.		Training William Market Co. Co.	VA TIVE!			VS@1881699	ER ·	A TRI	DLS
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	360.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
800: RUSTLER	•								
950.00	0.00	360.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00
950: TOS, 950'									
4345.00	0.00	360.00	4345.00	0.00	0.00	0.00	0.00	0.00	0.00
4345: BOS, 434									
4650.00	0.00	360.00	4650.00	0.00	0.00	0.00	0.00	0.00	0.00
4650: BELL CA	•								
5540.00	0.00	360.00	5540.00	0.00	0.00	0.00	0.00	0.00	0.00
5540: CHERRY									
6830.00	0.00	360.00	6830.00	0.01	0.00	-0.01	0.00	0.00	0.00
6830: BRUSHY									
8480.00	0.00	360.00	8480.00	0.01	0.00	-0.01	0.00	0.00	0.00
8480: BONE SPRING, 8480'									
8822.54	0.00	183.69	8822.54	0.01	0.00	-0.01	0.00	2.08	0.00
8822.54: KOP, 8									
8900.00	9.30	183.69	8899.66	-6.25	-0.40	6.26	12.00	0.00	12.00
9000.00	21.30	183.69	8995.94	-32.53	-2.10	32.59	12.00	0.00	12.00
9100.00	33.30	183.69	9084.64	-78.21	-5.05	78.37	12.00	0.00	12.00
9200.00	45.30	183.69	9161.89	-141.29	-9.12	141.59	12.00	0.00	12.00
9300.00	57.30	183.69	9224.31	-219.03	-14.14	219.48	12.00	0.00	12.00
9400.00	69.30	183.69	9269.16	-308.01	-19.88	308.65	12.00	0.00	12.00
9500.00	81.30	183.69	9294.50	-404.36	-26.10	405.20	12.00	0.00	12.00
9572.53	90.00	183.69	9300.00	-476.46	-30.76	477.46	12.00	0.00	12.00
9572.53: TARGI			•	•					
13729.28	90.00	183.69	9300.01	-4624.57	-298.55	4634.20	0.00	0.00	0.00
-13729.28: LATERAL TD, 13729' MD (9300' TVD)									



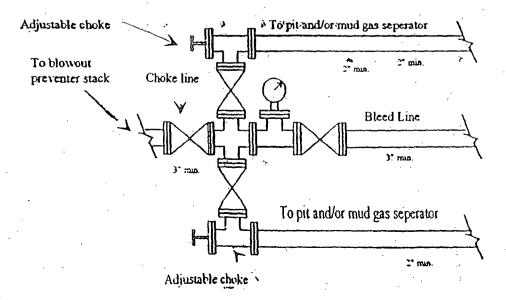


Yates Petroleum Corporation

Typical 3.000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack

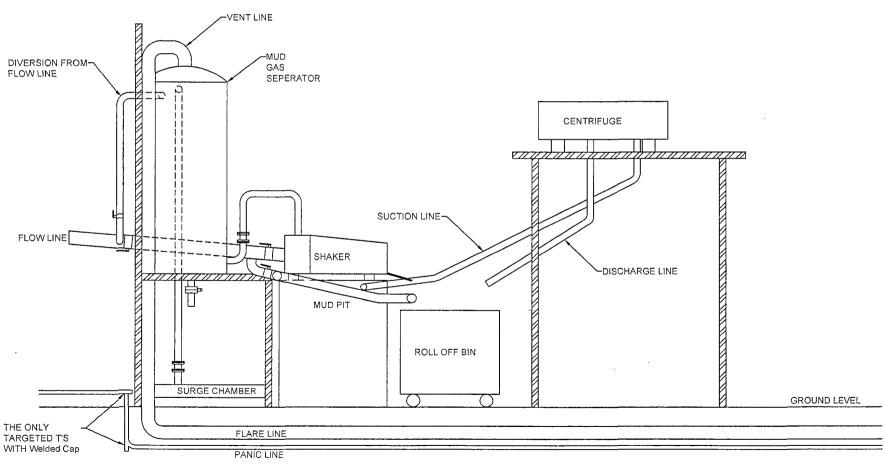


Typical 3,000 psi choke manifold assembly with at least these minimum features

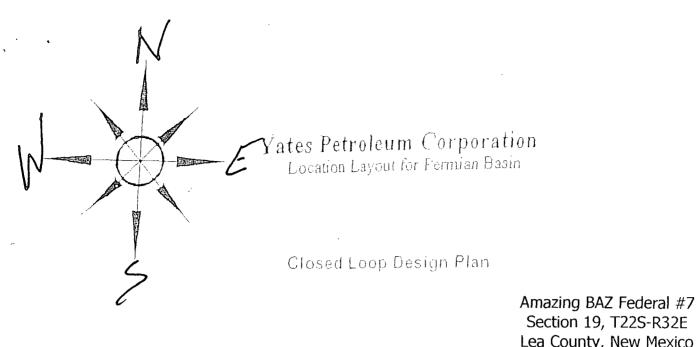


YATES PETROLEUM CORPORATION

Piping from Choke Manifold to the Closed Loop Drilling Mud System



The flare discharge must be 100' from wellhead for non H2S wells and 150' from wellhead for wells expected to encounter H2S.



Lea County, New Mexico Exhibit "C" * NOT TO SCALE Gen Roll Off Closed Loop Equip. 25 170' Working Pits Mud Steel 330' Pipe Rack Sub-Structure Well Dog House 15' K-30' -> Hours House