OCD-ARTESIA

978-80-27 EX-08-1382

FORM APPROVED



Form 3160-3 (August 2007)

DEC 162008

UNITED STATES

OCD-ARTERI

OMB NO. 1004-0137 Expires July 31, 2010

DEPARTMENT OF THE	INTE	RIOR COST THE		Lease Serial No		
BUREAU OF LAND MA	NAGEN	MENT		NM-107	383	
APPLICATION FOR PERMIT TO	DRILL	OR REENTER	6.	If Indian, Allottee or Tri	be Name	
				N/A		
			7.	If Unit or CA Agreemen	t, Name and No	
1a. Type of Work: x DRILL	REENT	ΓER	Ĺ	N/A		
			8.	Lease Name and Well N	lo .	
1b. Type of Well: X Otl Well Gas Well Other		Single Zone Multiple Z	one	Marcel BMM I	Federal 1H	
2 Name of Operator			9.	API Well No		
Yates Petroleum Corporati	ion 0255	:75		30.015.3	1245	
3a. Address		one No. (include area code)	10	. Field and Pool, or Explo		
Ju. Mudicos	150 1110	one ivo. (include area code)	10	. Tield and Tool, or Explo	ratory	
105 South Fourth Street, Artesia, NM 88210		505-748-1471		Wildcat Wo		
4. Location of well (Report location clearly and In accordance	with any	State requirements.*)	11	. Sec , T., R , M., or Blk	And Survey or Area	
At surface						
1090' FNL \$ 200' FE	L, Sec. 1	-16S-29E, Lot 1		Section 1-T1	6S-R29E	
At proposed prod zone 330' FNL & 33	0' FWL,	Sec. 1-16S-29E, Lot 4				
14. Name of Operator		·····	12	. County or Parish	13. State	
771 11: 1 (24 7)				P. 1.1	3334	
The well is about 34 miles east 15. Distance from proposed*	of Artesi	16. No. of acres in lease	I17 Specin	Eddy g Unit dedicated to this w	NM	
location to nearest		10. 140. of acres in lease	17. Spacin	g Omit dedicated to this w	CII	
property or lease line, ft	l		l			
(Also to nearest drlg. unit line, if any) 200'	1	327.28		Lots 1 - Lot 4, Sec.1-T16S-R29E		
18. Distance from proposed location*		19. Proposed Depth	20. BLM/	LM/ BIA Bond No on file		
to nearest well, drilling, completed,			Î			
applied for, on this lease, ft None		VD-7190' MD-11830'	1	NATIONWIDE BOND #NMB000434		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		22. Aproximate date work will	start*	23 Estimated duration		
3791 GL		ASAP		45 d	ave	
377.05		24. Attachments		15 0		
The following, completed in accordance with the requirements of	Onchore		ne attached t	to this form		
The following, completed in accordance with the requirements of	Onshore	Off and Gas Order NO 1 shall t	oc attached i	o uns form.		
l Well plat certified by a registered surveyor.		4. Bond to cover the	operations u	nless covered by existing	bond on file(see	
2. A Drilling Plan		item 20 above).				
3. A Surface Use Plan (if the location is on National Forest Sys		ls, the 5 Operator certificati	on.			
SUPO must be filed with the appropriate Forest Service Office	ce)	1	cific inform	ation and/ or plans as may	be required by the	
\sim \sim		BLM				
25. Signature	Name (Printed/ Typed)		Date		
Co Min			Cy Cowai	Cowan 8/11/2008		
Title	<u> </u>					
Regulatory Agent						
Approved By (Signature) Don Peterson	Name (Printed/ Typed) Date					
isi Don Peterson	1	/s/ Don Peters	on	nec	1 2 2008	
Title 7 Tr 3 Tr 1 Tr 1 Tr	Office	CARLSBAD FIELD OFFI	CE.			
FIELD MANAGER		CANTONNO LIERO OLLI	VE			
Application approval does not warrant or certify that the applicant	holds leg	gal or equitable title to those rig	hts in the su	bject lease which would e	ntitle the applicant to co	
operations thereon.			٨	DDDOVAL FOR	TIMO VEADO	

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 wilfully 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

ORTHODOX FOR HORIZONTAL

CONDITIONS OF APPROVAL

Approval Subject to General Requirements & Special Stipulations Attached

Roswell Controlled Water Basin

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 1301 W. Grand Avenue, Artesia, NM 86210

1000 Rio Brazos Rd., Axtec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 67505

DISTRICT III

DISTRICT IV

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30.015.30	1845 96794 WILDCAT	WOLFCAMP OIL
Property Code 31533	Property Name MARCEL "BMM" FEDERAL	Well Number
ogrid no. 025575	Operator Name YATES PETROLEUM CORP.	Elevation 3791

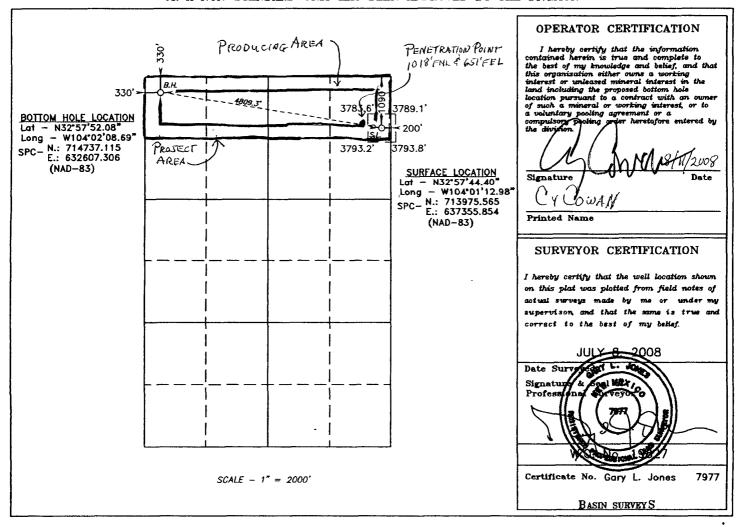
Surface Location

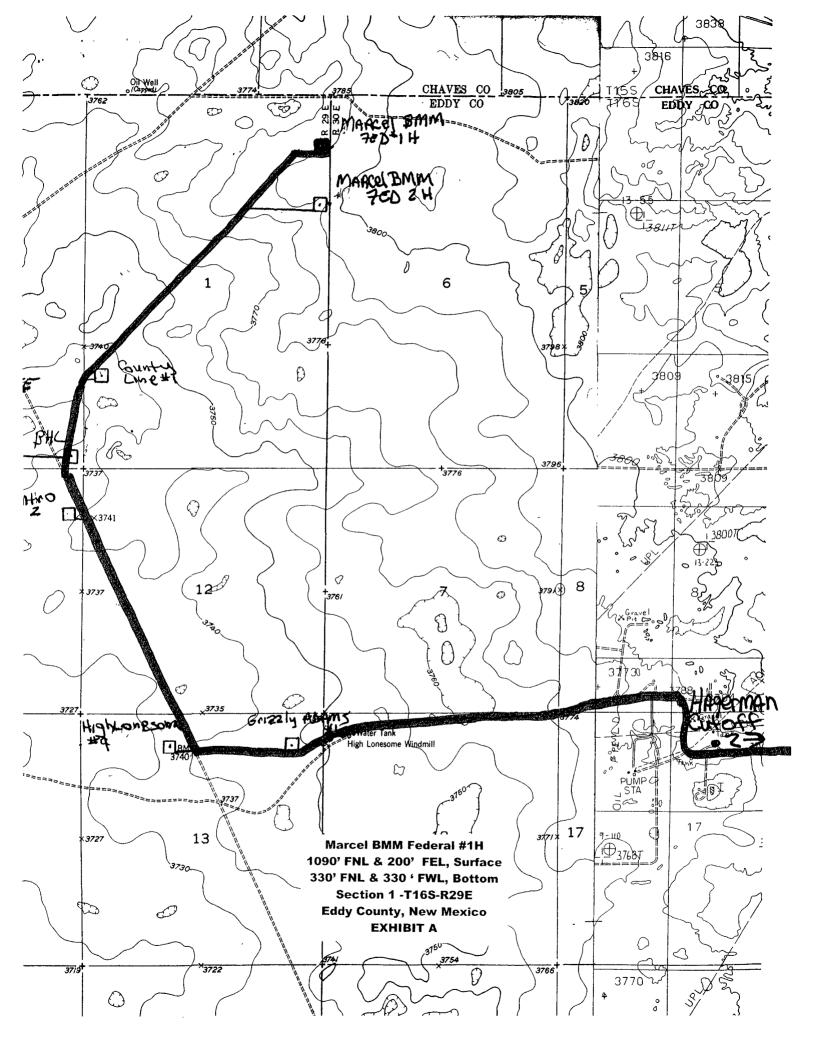
1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	LOT 1	1	16 S	29 E		1090	NORTH	200	EAST	EDDY

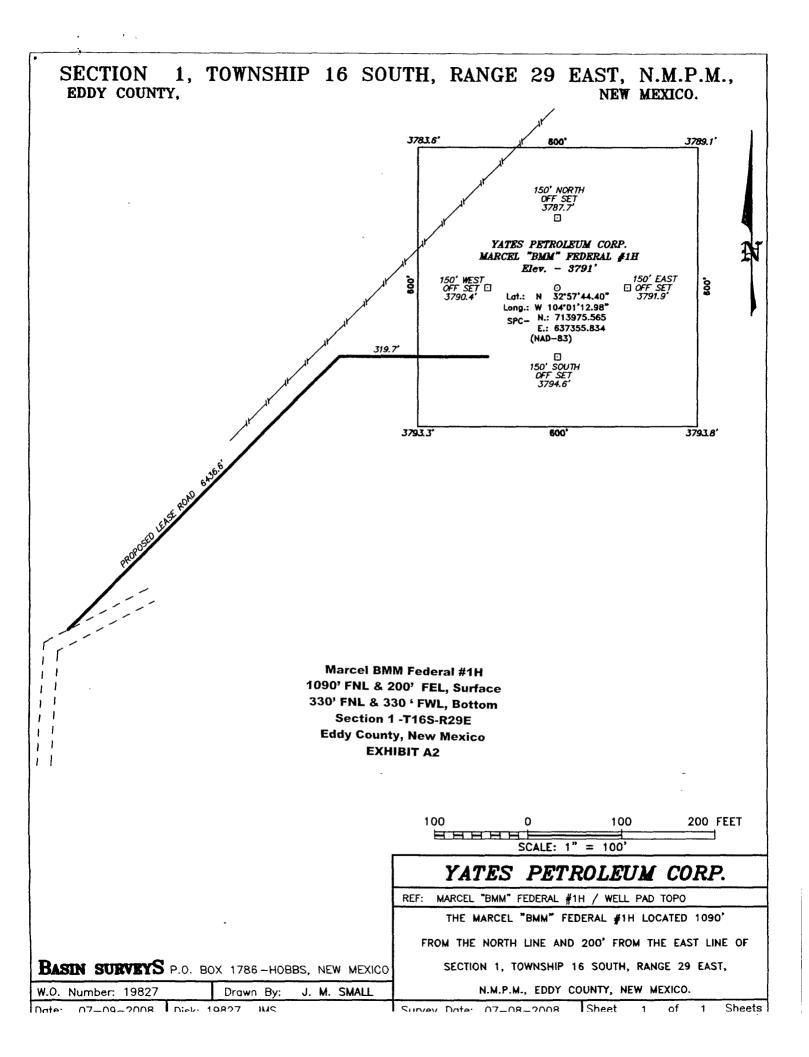
Bottom Hole Location If Different From Surface

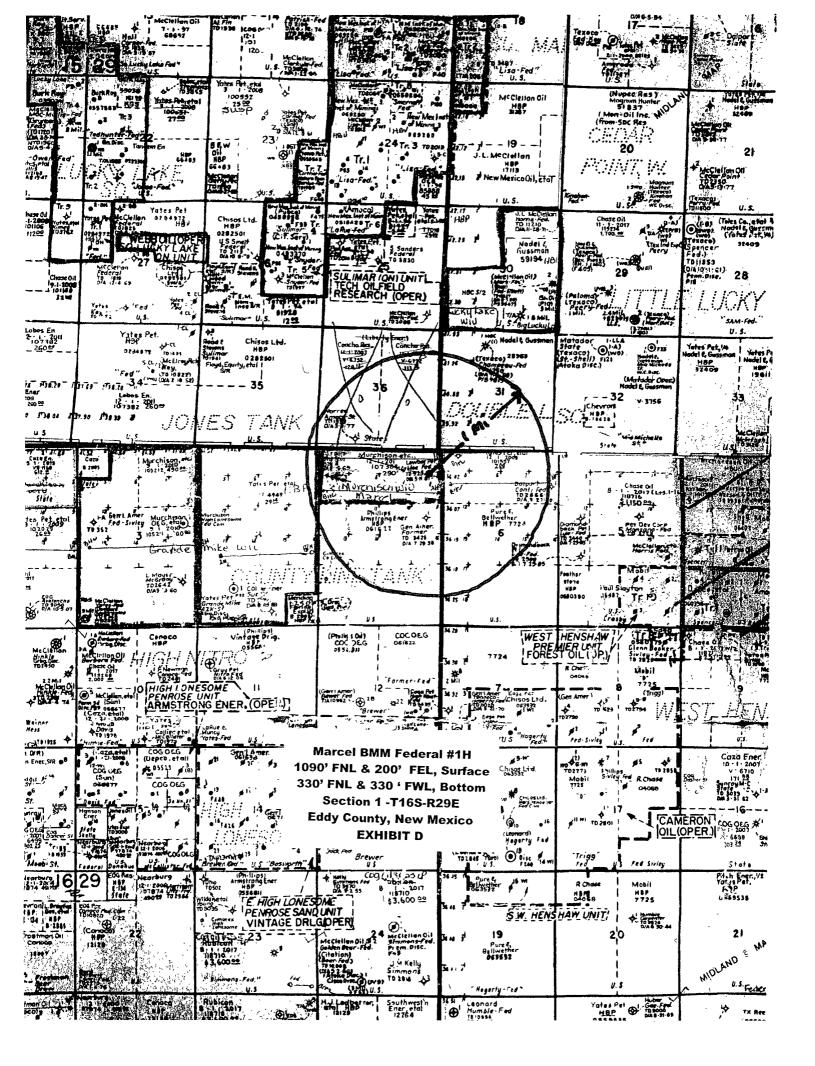
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	Rast/West line	County
LOT 4	1	16 S	29 E		330	NORTH	330	WEST	EDDY
Dedicated Acre	s Joint o	Joint or Infill Consolidation Code		Code Or	der No.				
160									

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









YATES PETROLEUM CORPORATION Marcel BMM Federal #1H

1090' FNL and 200' FEL, Section 1-16S-29E (Surface Hole Location) 330' FNL and 330' FWL, Section 1-16S-29E (Bottom Hole Location) Eddy County, New Mexico

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

1045'	Glorieta	3995'
1245'	Tubb	5295'
1795'	ABO	6195'
2195'	Wolfcamp	7295'
2495'	TVD .	7190'
	TMD	11830'
	1245' 1795' 2195'	1045' Glorieta 1245' Tubb 1795' ABO 2195' Wolfcamp 2495' TVD

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

Water:

110'

Oil or Gas: Wolfcamp Oil

Pressure Control Equipment: BOPE will be installed on the & 5/6" casing and rated for 3. 3000 psi BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors 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 B.

Auxiliary Equipment:

Α. 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.

THE PROPOSED CASING AND CEMENTING PROGRAM: 4.

Α. Casing Program: (All New)

<u>Hole Size</u>	Casing Size	Wt./Ft	<u>Grade</u>	<u>Thread</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	11 3/4"	42#	H-40	ST&C	0-400'	400'
11"	8 5/8"	32#	J-55	ST&C	0-100'	100'
11"	8 5/8"	24#	J-55	ST&C	100-2200'	2100'
11"	8 5/8"	32#	J-55	ST&C	2200-2600'	400'
7 7/8"	5 1/2"	17#	HCP-110	LT&C	11830' MD	11830'

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

B. **CEMENTING PROGRAM:**

Surface Casing: 275 sx "C" w/CaCl2 (WT 14.80 YLD 1.34). TOC at surface.

Intermediate Casing: 525 sx C Lite (Wt. 12.50 YLD 2.04). Tail in with 200 sx C w/CaCl2 (Wt 14.80 YLD 1.33)

per operator
9/24/08 WWI

, see COA

Marcel BMM Federal #1H Page Two

Production Casing: TOC 2100', Lead w/ 600 sx 50:50:10C (WT 11.60 YLD 2.43). Tail in with 1325 Sx 50:50:4C (WT 13.50 YLD 1.46)

5. Mud Program and Auxiliary Equipment:

Interval	Type	Weight	Viscosity	Fluid Loss
Spud to 400'	Fresh Water Gel	8.60-9.00	32-34	N/C
400'-2600'	Brine Water	10.00-10.20	28-28	N/C
2600'-6150'	Cut Brine	8.70-9.20	28-28	N/C
6150'-7655'	Cut Brine	8.70-9.20	28-28	10-15
6747'-11830'	Cut Brine (Lateral Section)	8.70-9.20	28-28	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:

Samples: 10' out from under intermediate casing to TD.

Logging: Platform Express; CNL/LDT/NGT TD to intermediate casing, DLL-MSFL TD to surface casing, BHC-Sonic TD to surface casing, CNL/GR TD to surface & Horizontal MWD / GR.

Coring: None anticipated. DST's: None anticipated. MUDLOGGING: Yes

H2S: None anticipated.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE AND POTENTAL HAZARDS:

Anticipated BHP:

From:	0 TO 400'TVD	Anticipated Max. BHP: 190	PSI
From:	400' TO 2600' TVD	Anticipated Max. BHP: 1010	PSI
From:	2600' to 7655' TVD	Anticipated Max. BHP. 3660	PSI

Pilot hole will be drilled to 7655'. Well will then be plugged back and kicked off at approx. 6747' at 12 degrees per 100' to 11830' MD with a TVD of 7190' at TD. The penetration point of producing formation will be encountered at 1018' FNL & 651' FEL, 1-16S-29E. Deepest TVD of the well will be in the pilot hole @ 7655'. The deepest TVD in the lateral will be 7224.46'.

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 120° F

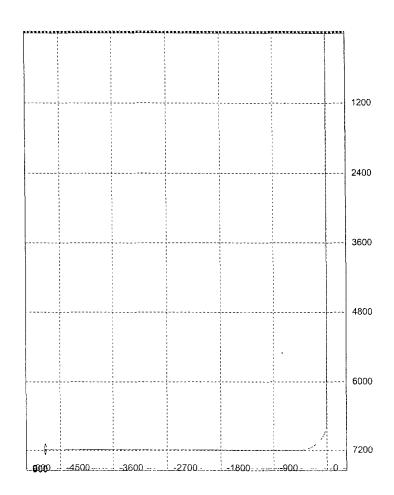
8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 45 days to drill the well with completion taking another 30 days.

MAN MENN	ingination.	Azimoth	Mary VID	MANUS SAM	BEN SE	AND US NO	i loolace	REFERENCE OF THE PARTY OF THE P	
0	0	0	0	0	0	0			3,000
1,045	0	0	1,045	0	0	0	i		YATES
1,245	0	0	1,245	0	0	0			SEVEN RIVERS
1,795	0	0	1,795	0	0	0			QUEEN
2,195	0	0	2,195	0	0	0		i	GRAYBURG
2,495	0	0	2,495	0	0	0			SAN ANDRES
3,995	0	0	3,995	0	0	0			GLORIETA
5,295	0	0	5,295	0	0	0			TUBB
6,195	0	0	6,195	0	0	0			ABO
6747	0	0	6747	0	0	12	279	' GN	KOP ·
6750	0.36	279.09	6750	0	-0 01	12	0	HS	
6775	3.36	279.09	6774.98	0 13	-0.81	12	360	HS	
6800	6.36	279 09	6799.89	0 46	-2.9	12	360	HS	
6825	9.36	279 09	6824 65	1	-6 28	12	0	HS	
6850	12 36	279 09	6849 2	1.75	-10 93	12	360	HS	
6875	15 36	279 09	6873 47	2 69	-16 84	12	0	HS	
6900	18 36	279 09	6897 4	3 84	-24	12	0	HS	
6925	21 36	279 09	6920 91	5 18	-32 38	12	360	HS	
6950	24 36	279 09	6943 94	6.72	-41 97	12	0	HS	
6975	27 36	279 09	6966 43	8 44	-52 74	12	0	HS	
7000	30 36	279 09	6988 33	10.34	-64 65	12	360	HS	
7025	33 36	279 09	7009.56	12.43	-77.68	12	360	HS	
7050	36 36	279 09	7030.07	14 69	-91.79	12	0	HS	
7075	39 36	279 09	7049 8	17 11	-106.94	12	0	HS	
7100	42 36	279 09	7068 71	19 69	-123 09	12	0	HS	
7125	45 36	279 09	7086 73	22.43	-140 19	12	0	HS	
7150	48.36	279 09	7103.83	25 31	-158.2	12	0	HS	
7175	51 36	279 09	7119 94	28 33	-177 07	12	0	HS	
7200	54 36	279.09	7135 03	31 48	-196.75	12	360	HS	
7225	57 36	279 09	7149 06	34 75	-217.18	12	0	HS	
7250	60 36	279 09	7161 99	38 13	-238 3	12	360	HS	
7275	63 36	279.09	7173 78	41 61	-260 07	12	0	HS	
7300	66 36	279.09	7184 4	45 19	-282 41	12	360	HS	· · · · · · · · · · · · · · · · · · ·
7325	69.36	279 09	7193 82	48 84	-305 28	12	360	HS	***
7350	72 36	279.09	7202 01	52 58	-328 6	12	0	HS	
7375	75 36	279 09	7208 96	56 37	-352 31	12	360	HS	
7400	78 36	279.09	7214.65	60 22	-376 34	12	0	HS	
7425	81 36	279 09	7219 05	64 1	-400 64	12	360	HS	
7450	84 36	279 09	7222 15	68 02	-425 13	12	360	HS	
7475	87 36	279 09	7223 96	71 96	-449 75	12	0	HS	
7477	87.6	279.09	7224.05	72.28	-451 73	12	0	HS	Producing Zone
7500	90 36	279 09	7224.46	75 91	-474.43	12	360	HS	
7500 8	90 46	279 09	7224 45	76 03	-475 22	12	360	HS	
11830 09	90 46	279.09	7190	760	-4750	0			Lateral TD

Pilot hole will be drilled to 7655' Well will then be plugged back and kicked off at approx 6747' at 12 degrees per 100' to 11,830' MD with a TVD of 7,190' Penetration point of producing formation will be encountered at 1018' FNL and 651' FEL, 1-16S-29E Deepest TVD of the well will be in the pilot hole @ 7,655' Deepest TVD in the lateral will be 7224 46'

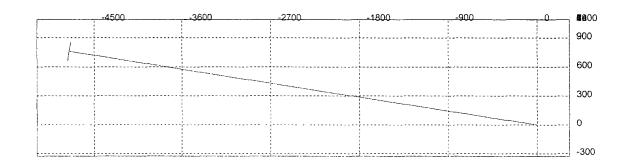
Company: Yates Petroleum Corporation Well: Marcel BMM Federal #1H



File: C:\Program Files\Drilling Toolbox 2001\Templates\Visual Wellbore\Horizontal\marcel1h.wpp

3D³ Directional Drilling Planner - 3D View

Company: Yates Petroleum Corporation . Well: Marcel BMM Federal #1H



Closure Procedure For Temporary Drilling Pits

- 1. De-water pit within 30 days of rig release.
- 2. Weekly inspection of fluid level in drilling pit after rig release date until fluids are removed. Weekly levels will be recorded in a log to be submitted to the appropriate OCD district office at time of pit closure.
- 3. All removed pit fluids will be disposed of in an OCD approved manner at one of the listed OCD approved disposal facilities.

Disposal Facility: Gandy Marley or CRI

Disposal Facility Permit Number: NM-01-0019 or R-9166

- 4. If fluids are reclaimed the appropriate OCD district office will be contacted beforehand for approval to do so.
- 5. Within 6 months of the rig release date and after the removal of all free liquids from the temporary drilling pit, the surface owner will be notified by certified mail, return receipt requested that the operator will close the pit. OCD division office will be notified verbally that waste excavation and removal will begin.
- 6. All impacted contents of the temporary drilling pit will be stabilized by mixing of dry non-waste containing earthen material so that such material will pass a paint filter test.
- 7. All stabilized pit contents, including the synthetic pit liner will be loaded into trucks and transferred to the division-approved facility listed below for proper disposal.

Disposal Facility: Gandy Marley or CRI

Disposal Facility Permit Number: NM-01-0019 or R-9166

8. Once all visually impacted materials have been removed from the temporary drilling pit, testing and analyzing of the soils beneath the pit will be conducted in accordance with 19.15.17.13, B., 1(b) (i) or (ii) whichever is appropriate to determine if a release has occurred during utilization of the pit.

- 9. When analysis indicates that the soils within the pit area are within the recommended actions levels backfilling will begin.
- 10. Backfill material will consist of non-waste containing earthen material. The cleaned out drilling pit will be filled with such material to a level which shall allow space for the addition of topsoil which will be equal to the thickness of the background topsoil or one foot whichever is greater as directed in 19.15.17.13, H (1) NMAC.
- 11. The topsoil cover will be placed on to the drilling pit area in a manner of existing grade and will prevent ponding of water and erosion of the cover material.
- 12. Within 60 days of closure completion a closure report on form C-144 will be submitted to the appropriate district office. The report will contain detailed information on the backfilling, capping. The closure report will also include a plat of the closed pit location on a form C-105.
- 13. Within the first growing season after the approved pit closure seeding of the pit area shall occur. The seeding will be performed in accordance with 19.15.17.13, I, (2) (3) (4) (5).

Yates Petroleum Corporation Drilling Operations Requirements for Temporary Reserve Pit

While the drilling rig is onsite, Operator's representative will inspect the temporary pit daily to ensure that the liner is intact, and that no releases are occurring.

Thereafter, the operator shall inspect at least once weekly as long as liquids remain in the temporary pit.

Operator will maintain a log of such inspections and make the log available to the appropriate NMOCD District office upon request.

A copy of the inspection log shall be filed with the NMOCD when operator closes the pit.

Operator must notify NMOCD if liner is damaged, and must repair or replace the damaged liner. Operator has 48 hours to notify NMOCD and make repairs.

NO HOLES in pit liners – not even in the part of the liner that is not in the reserve pit.

All drilling fluids to be removed from temporary pit within 30 days of rig release date

Hydrocarbon based drilling fluids will be stored in steel pits.

Liner – will be 20mil., string reinforced with welded seams.

Fluids to be added to pit through a header, diverter, or other hardware that prevents damage to liner by erosion, fluid jets, or impacts from installations and removal of hoses or pipes.

Operator shall have onsite an oil absorbent boom or other device to contain and remove oil from a pits surface.

Operator must maintain a freeboard of at least two feet for a temporary pit.

Pit will be bermed to prevent run on of water into the pit.

Satety:

With the use of a temporary pit operator is better able to conduct flammable and dangerous fluids further away from rig personnel and well bore.

Yates Petroleum Corporation Design Requirements For Temporary Reserve Pit

Sign posted on site / location or on the fence of reserve pit identifying the operator, listing their phone #, location of site by ½ / ½ or unit letter, and S-T-R.

Pit must be fenced to prevent unauthorized access. Fence must remain in good repair. The fence to be barbed wire, space at 1 foot intervals from 1' to 4' off ground. Pit will be fenced on 3 sides during drilling; the 4th side will be fenced upon removal of drilling rig.

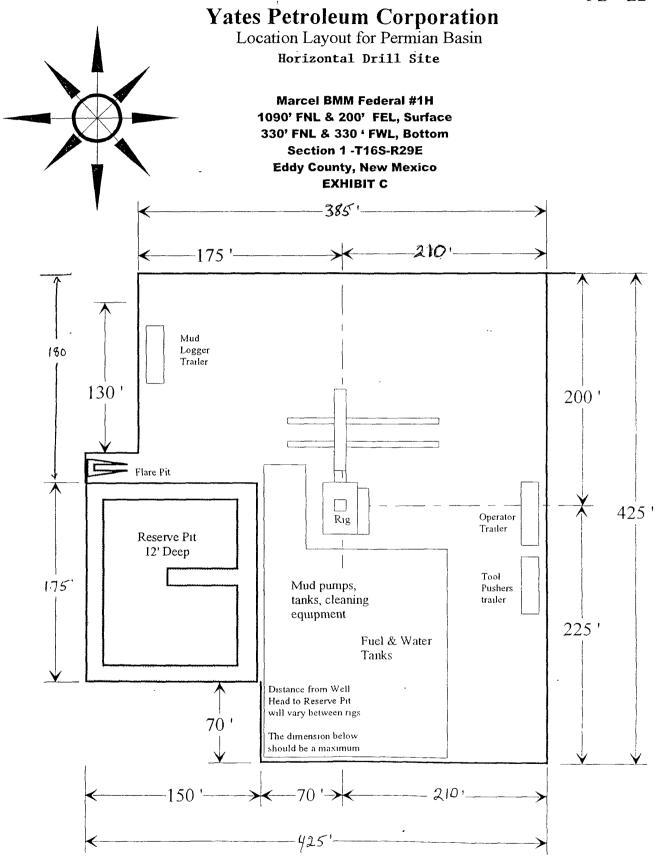
Slope of the pit walls is no greater than two horizontal feet to one vertical foot.

Welded liner seams must run up & down the banks of the pit, not horizontally across them.

Field seams must be welded.

Edges of the liner must be anchored in trenches at least 18 inches deep. Edge of liner will protrude from the outside edge of the trench.

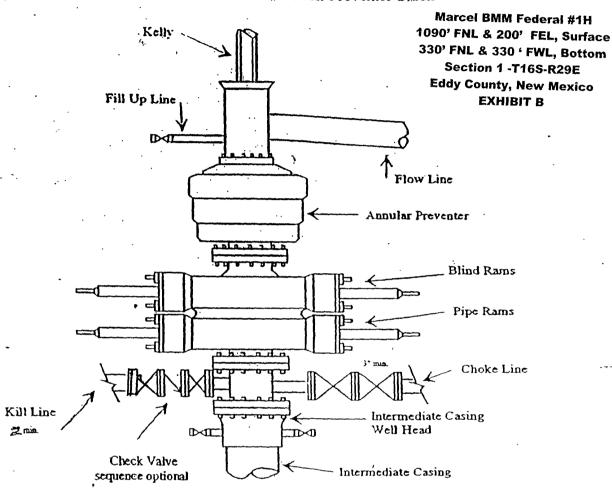
Pit shall be designed to prevent to run on of surface water.



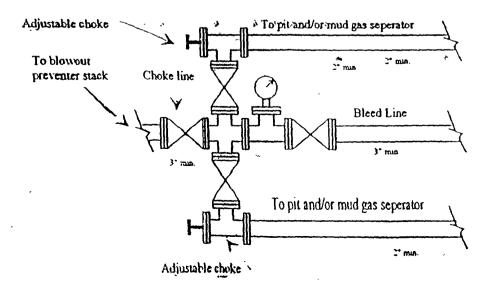


Yates Petroleum Corporation

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



MULTI-POINT SURFACE USE AND OPERATIONS PLAN Yates Petroleum Corporation Marcel BMM Federal #1H

1090' FNL and 200' FWL, 1-16S-29E (Surface Hole Location) 330' FNL and 330' FWL, 1-16S-29E (Bottom Hole Location) Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 34 miles east of Artesia, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

From Loco Hills, NM go North on the Hagerman cutoff for approximately 7.3 miles. Turn left here on lease road going west and go approximately 2.2 miles. (Pass Grizzlie Adams well on the right). Turn right here and go approximately 0.4 of a mile. The High Lonesome Federal # 9 well will be on the left. Continue on lease road for approximately 1.1 miles. The Nitro Federal #2H will be on the left. Continue following lease road for approximately 0.4 of a mile. The new road will start here and go to the Northeast along a pipeline for approximately 1.2 miles. At this point the new road will turn to the right and go approximately 300 feet to the Southwest corner of the well location.

2. PLANNED ACCESS ROAD:

- A. The proposed new road will go in a northeasterly direction for about 1.3 mile to the southeast corner of the drilling pad.
- B. The new road will be 14' in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Four traffic turnouts may be built as needed.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power until an electric power line can be built if needed.

Marcel BMM Federal #1H Page Two

Production Casing: TOC 2100', Lead w/ 600 sx 50:50:10C (WT 11.60 YLD 2.43). Tail in with 1325 Sx 50:50:4C (WT 13.50 YLD 1.46)

5. Mud Program and Auxiliary Equipment:

Interval	Туре	Weight	Viscosity	Fluid Los	<u>s</u>
Spud to 400'	Fresh Water Gel	8.60-9.00	32-34	N/C	
400'-2600'	Brine Water	10.00-10.20	28-28	N/C	
2600'-6150'	Cut Brine	8.70-9.20	28-28	N/C	
6150'-7655'	Cut Brine	8.70-9.20	28-28	10-15	
6747'-11830'	Cut Brine (Lateral Section)	8.70-9.20	28-28	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.

EVALUATION PROGRAM:

Samples: 10' out from under intermediate casing to TD.

Logging: Platform Express; CNL/LDT/NGT TD to intermediate casing, DLL-MSFL TD to surface casing, BHC-Sonic TD to surface casing, CNL/GR TD to surface & Horizontal MWD / GR

Coring: None anticipated. DST's: None anticipated.

MUDLOGGING: Yes H2S: None anticipated.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE AND POTENTAL HAZARDS:

Anticipated BHP:

From: 0 TO 400' TVD Anticipated Max. BHP: 190 PSI From: 400' TO 2600' TVD Anticipated Max. BHP: 1010 PSI From: 2600' to 7655' TVD Anticipated Max. BHP. 3660 PSI

Pilot hole will be drilled to 7655'. Well will then be plugged back and kicked off at approx. 6747' at 12 degrees per 100' to 11830' MD with a TVD of 7190' at TD. The penetration point of producing formation will be encountered at 1018' FNL & 651' FEL, 1-16S-29E. Deepest TVD of the well will be in the pilot hole @ 7655'. The deepest TVD in the lateral will be 7224.46'.

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 120° F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 45 days to drill the well with completion taking another 30 days.

Marcel BMM Federal #1H Page Two

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will acquire any materials from the closest source at the time of construction of the well pad.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. The temporary drilling pit will be constructed, maintained, and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division the "Pit Rule" 19.15.17 NMAC.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES: None

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, and the location of the drilling equipment, rig orientation and access road approach.
- B. The temporary drilling pit will be constructed, maintained and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division—the "Pit Rule" 19.15.17 NMAC. Form C-144 attached.
- C. A 600' x 600' area has been staked and flagged.

10. PLANS FOR RESTORATION

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.
- 11. SURFACE OWNERSHIP: Federal Surface leased for grazing.

12. OTHER INFORMATION:

Marcel BMM Federal #1H Page Three

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, and dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

Exhibit "A"

Marcel BMM Federal #1H 1090' FSL and 200' FEL Section 1, T16S-R29E Eddy County, New Mexico

Our Regulatory Agent has been on site and location shows no sign to be prone to flooding.

Clifta R. May Regulatory Agent

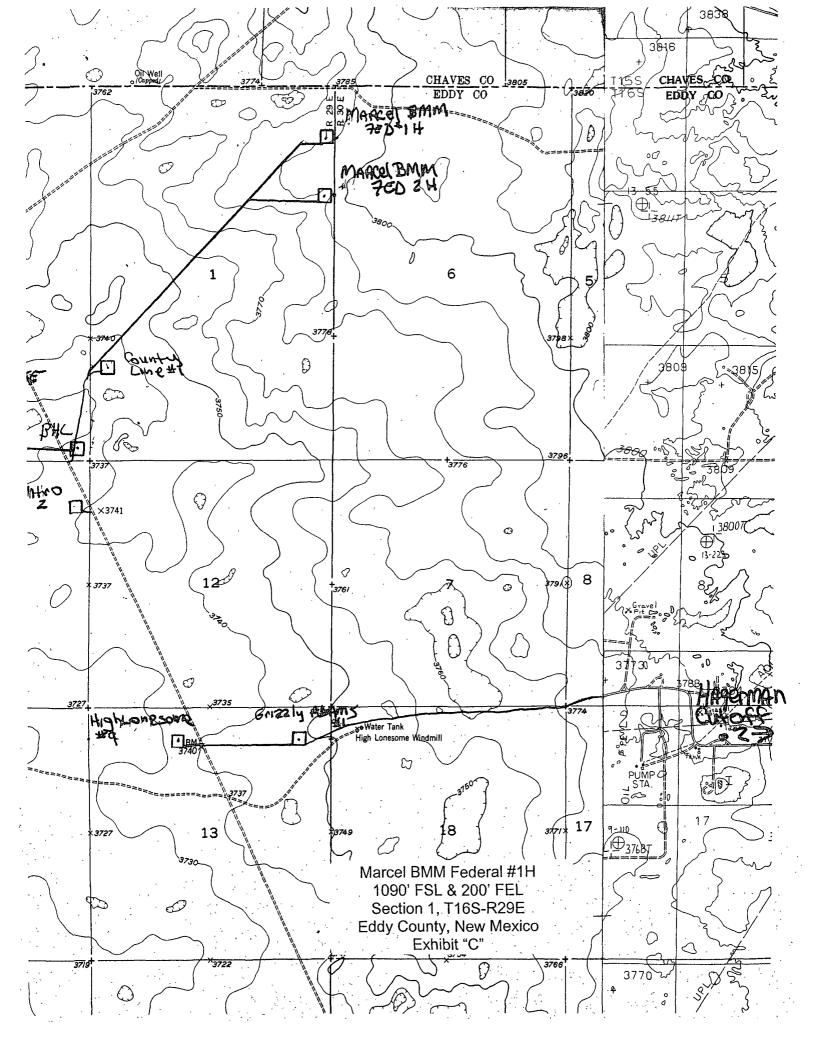
8/14/2008

Marcel BMM Federal #1H Township 16 S, Range 29 E, Section 1 Eddy County, New Mexico

New Mexico Office of the State Engineer POD Reports and Downloads								
Township: 168 Range:	29E Secti	ons:		Physical Action in well				
05/22/2008	POD	/ SURFACE	DATA REPO	RT				
(quarters are 1=NW 2=NE 3=SW 4	-							
(quarters are biggest to small		Y are in F	eet	UTM are in				
Meters) Start								
DB File Nbr Use Diversion	on Owner			POD				
Number Source Tws								
UTM_Zone Easting Northing D								
RA 09342 DOM	3 RUSTY	AND JOSIE	VAN CUREN	RA				
09342 Shallow 16S	29E 19	3 4 4						
13 582737 3640640 05/0	02/1998	05/03/1998	220	110				
Record Count: 1								
AVERAGE DEPTH OF WATER REPORT	05/22/20	08						
			(Depth Wat	er in Feet)				
Bsn Tws Rng Sec Zone	x	Y Wells	Min	Max Avg				
RA 16S 29E 19		1	110	110 110				
Record Count: 1								

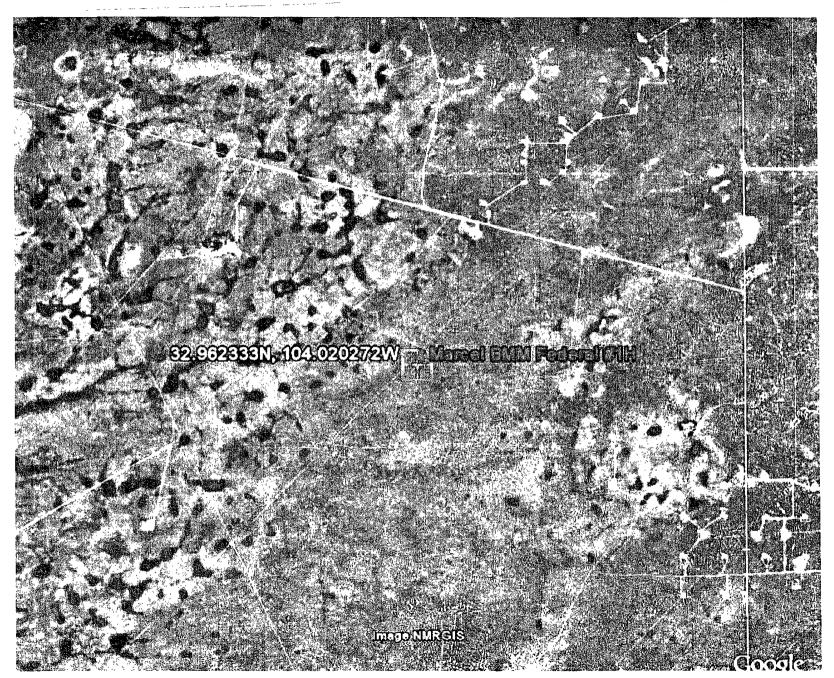
Marcel BMM Federal #1H 1090' FSL & 200' FEL Eddy Co. Depth To Ground Water Section 1, T16S-R29E Water Wells Eddy County, New Mexico Exhibit "B-1" **Facilities** Wayne Johnson 2/9/2005 Scale 1:113068,59 16S28E 1**a**S29E 18830E 回 7930E 7S29E 17S28E

ChevronTexaco





Marcel BMM Federal #1H 1090' FSL & 200' FEL Section 1, T16S-R29E Eddy County, New Mexico Exhibit "C-1"



CERTIFICATION YATES PETROLEUM CORPORATION Marcel BMM Federal #1H

I hereby certify that I or the company I represent, have inspected the drill site and access route proposed herein; that the company I represent is familiar with the conditions which currently exist; that full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that the company I represent is responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this11thday ofAugust, 2008
Printed Name Cy Cowan
Signature (4)
Position Title Regulatory Agent
Address 105 South Fourth Street, Artesia, NM 88210
Telephone <u>575-748-4372</u>
E-mail (optional) cyc@ypcnm.com
Field Representative (if not above signatory) <u>Tim Bussell</u>
Address (if different from above) Same
Telephone (if different from above) <u>575-748-4221</u>
E-mail (optional)

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: LEASE NO.: NMNM107383

WELL NAME & NO.: Marcel BMM Federal No 1H

SURFACE HOLE FOOTAGE: 1090' FNL & 200' FEL

BOTTOM HOLE FOOTAGE 330' FNL & 330' FWL

LOCATION: Section 1, T. 16 S., R 29 E., NMPM

COUNTY: Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐ General Provisions	,	
Permit Expiration		
Archaeology, Paleontology, and	Historic	al Site
Noxious Weeds		
Special Requirements	,	,
Lesser Prairie Chicken	,	
◯ Construction		
Notification	* *	
Topsoil	,	
Reserve Pit	•	
Federal Mineral Material Pits	*	
Well Pads	•	,
Roads		
Road Section Diagram		,
Drilling	* , ,	
Production (Post Drilling)		. ,
Well Structures & Facilities		
Pipelines		
Electric Lines		
Reserve Pit Closure/Interim Red	clamatio	n
Final Abandonment/Reclamation	m	

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Mitigation Measures: The mitigation measures include the Pecos District Conditions of Approval, the standard stipulation for permanent resource roads, and the standard stipulation for the Lesser Prairie Chicken.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period.

Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Marcel BMM Federal # 1H: Pit South V-Door West

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (505) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

The reserve pit shall be constructed and closed in accordance with the NMOCD rules.

The reserve pit shall be constructed 175' X 150' on the South side of the well pad V-Door West.

The reserve pit shall be constructed, so that upon completion of drilling operations, the dried pit contents shall be buried a minimum depth of three feet below ground level. Should the pit content level not meet the three foot minimum depth requirement, the excess contents shall be removed until the required minimum depth of three feet below ground level has been met. The operator shall properly dispose of the excess contents at an authorized disposal site.

The reserve pit shall be constructed and maintained so that runoff water from outside the location is not allowed to enter the pit. The berms surrounding the entire perimeter of the pit shall extend a minimum of two (2) feet above ground level. At no time will standing fluids in the pit be allowed to rise above ground level.

The reserve pit shall be fenced on three (3) sides during drilling operations. The fourth side shall be fenced immediately upon rig release.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (505) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

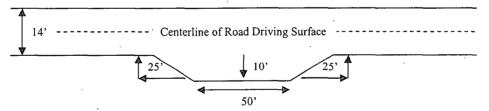
Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

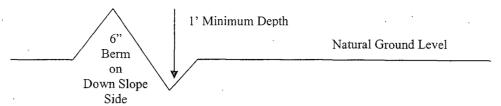


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope:
$$\frac{400'}{4\%}$$
 + 100' = 200' lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

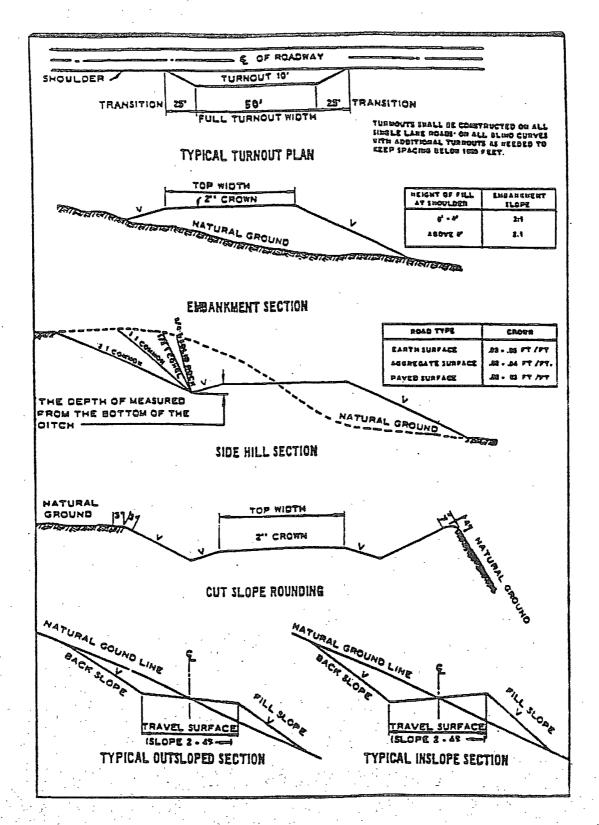
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

⊠ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although Hydrogen Sulfide has not been reported in this section, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible lost circulation in the Grayburg and San Andres formations.

Possible brine/water flows in the Salado and Artesia Groups.

Possible high pressure gas bursts from the Wolfcamp formation – applicable to pilot hole.

Operator to designate all zones with anticipated water or hydrocarbons, not just the zone of interest.

- 1. The 11-3/4 inch surface casing shall be set at approximately 400 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface. The color will change from a reddish-brown to a gray color when the anhydrite is encountered.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - b. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - c. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:
 - ⊠ Cement to surface. If cement does not circulate see B.1.a-c above.

Formation below the 8-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required on horizontal leg, must be type for horizontal service and minimum of one every other joint.

Plug back of pilot hole to be a solid plug. If not a solid plug, plug at bottom will require tagging and must be witnessed by the BLM. Bottom plug would be a minimum of 180' in length.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.
- 4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 8-5/8" intermediate casing shoe shall be 3000 (3M) psi.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
 - e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

WWI 092408

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

- B. PIPELINES
- C. ELECTRIC LINES

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

At the time reserve pits are to be reclaimed, operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

B. RESERVE PIT CLOSURE

The reserve pit, when dried and closed, shall be recontoured, all trash removed, and reseeded as follows:

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The see mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	l <u>b/acre</u>
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

^{*}Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.