

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720

District II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised December 16, 2011

Permit

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Yates Petroleum Corporation 105 S Fourth Street Artesia, NM 88210		² OGRID Number 025575
		³ API Number 30-015-40392
⁴ Property Code 23123	⁵ Property Name Crow ASM State Com	⁶ Well No 3H

⁷ Surface Location

UL - Lot I	Section 32	Township 16S	Range 28E	Lot Idn	Feet from 1800	N/S Line S	Feet From 200	E/W Line E	County Eddy
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⁸ Pool Information

Wildcat Abo CROW FLATS; ABO	97691
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Additional Well Information

⁹ Work Type N	¹⁰ Well Type Oil	¹¹ Cable/Rotary R	¹² Lease Type S	¹³ Ground Level Elevation 3598'
¹⁴ Multiple N	¹⁵ Proposed Depth 11,095'	¹⁶ Formation Abo	¹⁷ Contractor	¹⁸ Spud Date ASAP
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17 5"	13.375"	48#	400'	425	0
Int1	12 25"	9 625"	36#	2000'	675	0
Int2	8 75"	7"	26#	6780'	925	
Prod	6 125"	4 5"	11 6#	11095'	0	

Casing/Cement Program: Additional Comments

Yates Petroleum Corporation proposes to drill/test the Wolfcamp and intermediate formations. Approximately 400' of surface casing will be set and cement circulated to surface. Intermediate casing will be set at 2,000' and cement circulated to surface. Second intermediate casing will be set at 6,780' and circulated to surface. A whipstock will then be set at approximately 6,054' and a window milled in the 7" casing where the well will be kicked off at 12 degrees per 100' with a 6 1/8" hole to 11,095' MD with a TVD of 6,415 where a Peak Completion Assembly will be set and will not be cemented. Penetration point of the producing formation will be at 1841' FSL & 689' FEL. Deepest TVD of the well will be in the pilot hole at 6,780', Deepest TVD in the lateral will be 6,531'. MUD PROGRAM 0-400' Fresh Water Gel, 400'-2000' Brine Water, 2000'-5300' Cut Brine, 5300'-6780' Cut Brine (horizontal section), 6054'-11095' Cut Brine (lateral section). H2S is not anticipated.
C-144 Attached
C-102 Attached
Previously Approved

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature *Lori Flores*

Printed name Lori Flores

Title Land Regulatory Technician

E-mail Address lorif@yatespetroleum.com

Date 5/30/2012

Phone 575-748-4448

OIL CONSERVATION DIVISION

Approved By:

Title

Approved Date

Expiration Date

Conditions of Approval Attached

*1 YEAR EXTENSION
will not be approved.*

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-40392	Pool Code 97691	Pool Name Crow Flats Abo
Property Code 23123	Property Name CROW "ASM" STATE COM	Well Number 3H
OGRID No. 025575	Operator Name YATES PETROLEUM CORP.	Elevation 3598'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	16 S	28 E		1800	SOUTH	200	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	16 S	28 E		2200	SOUTH	330	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

BOTTOM HOLE LOCATION Lat.: N 32°52'35.70" Long.: W 104°12'20.14" SPC- N.: 682658.398 E.: 580554.104 (NAD-83)		Project Area	SURFACE LOCATION Lat.: N 32°52'31.97" Long.: W 104°11'24.96" SPC- N.: 682287.658 E.: 585259.592 (NAD-83)	Producing Area
330'		4720.1'	200'	1800'
2200'		Penetration Point 1841' FSL & 689' FEL		

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Cy Cowan 5/14/09
Signature Date

Cy Cowan
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

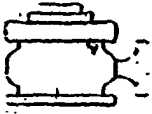
FEBRUARY 27, 2009
Date Surveyed

GARY L. JONES
Signature & Seal
Professional Surveyor

W.B. Professional Surveyor

Certificate No. Gary L. Jones. 7977

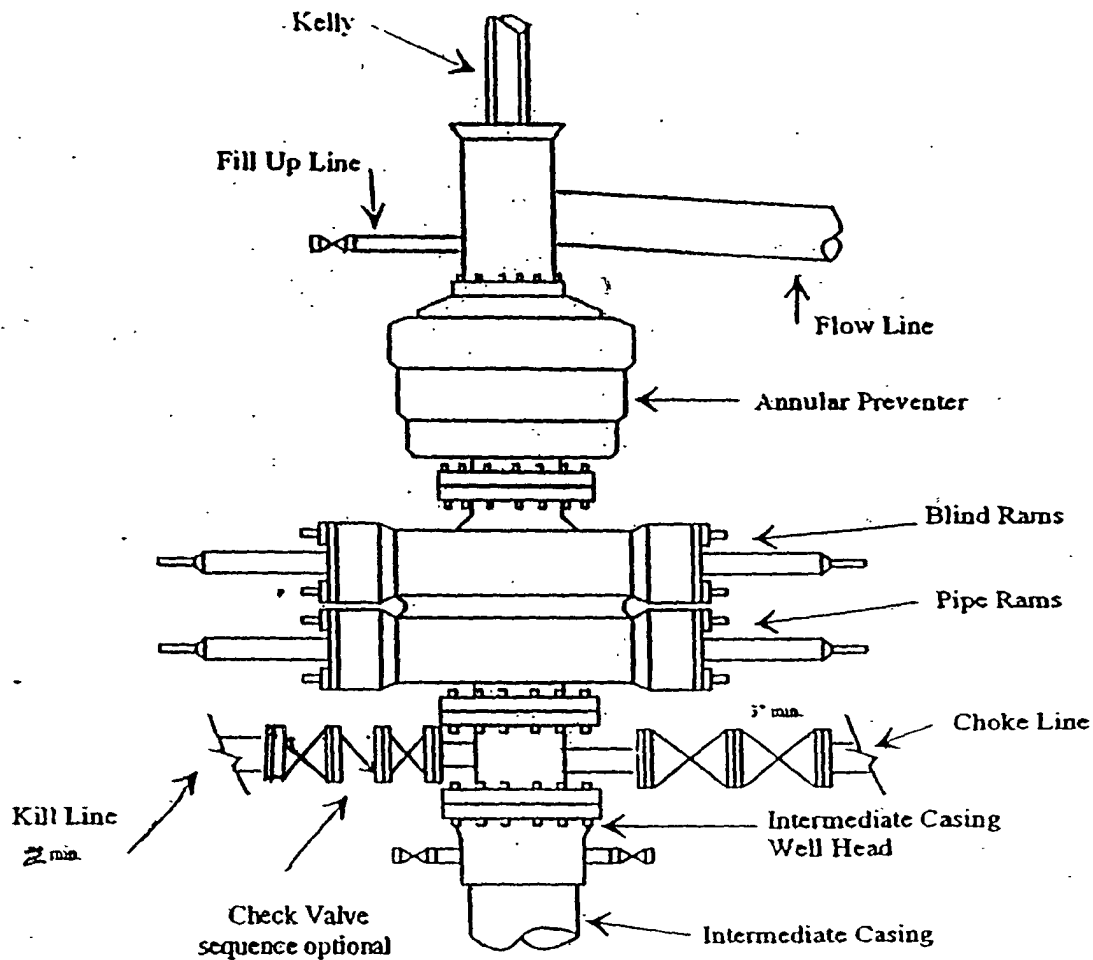
BASIN SURVEYS



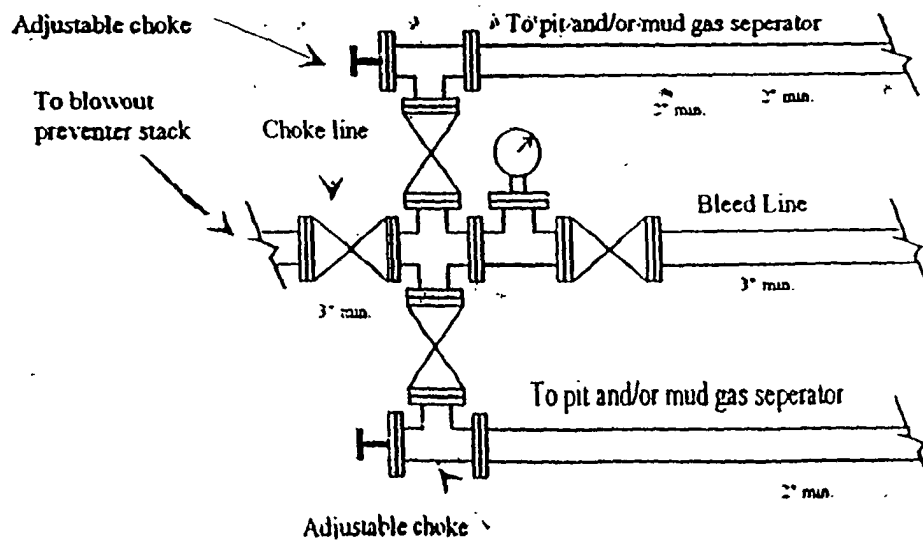
Yates Petroleum Corporation

BOP-3

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



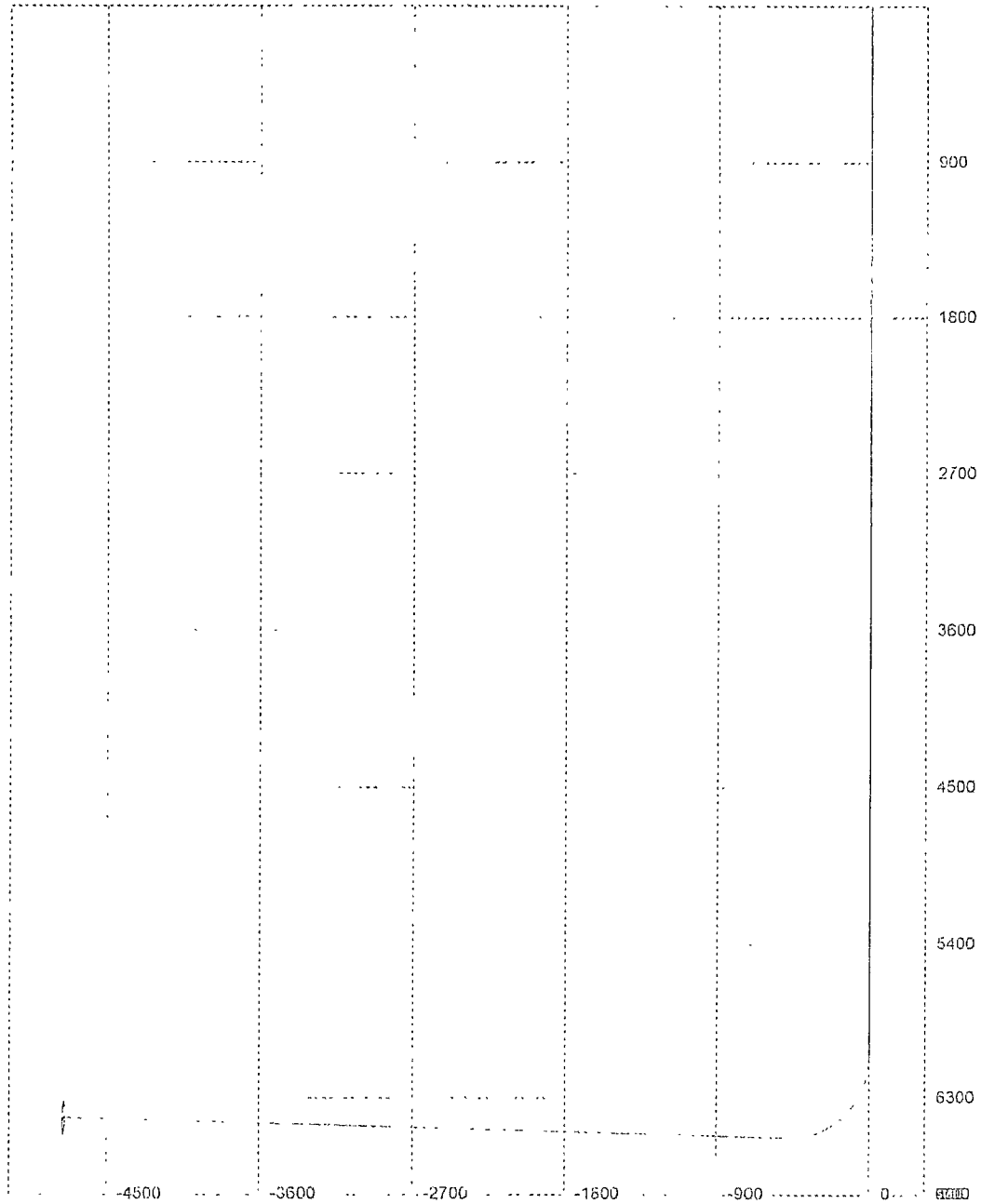
M.D.	Inclination	Azimuth	TVD	N+/S-	E+/W-	D L S.	ToolFace	T.F. Ref [HS/GN]	
0	0	0	0	0	0	0			
393	0	0	393	0	0	0			YATES
605	0	0	605	0	0	0			SEVEN RIVERS
1100	0	0	1100	0	0	0			QUEEN
1554	0	0	1554	0	0	0			GRAYBURG
1925	0	0	1925	0	0	0			SAN ANDRES
3325	0	0	3325	0	0	0			GLORIETA
4658	0	0	4658	0	0	0			TUBB
5345	0	0	5345	0	0	0			ABO
6054	0	0	6054	0	0	12	275	GN	KOP
6075	2.52	274.81	6074.99	0.04	-0.46	12	360	HS	
6100	5.52	274.81	6099.93	0.19	-2.21	12	360	HS	
6125	8.52	274.81	6124.74	0.44	-5.25	12	0	HS	
6150	11.52	274.81	6149.35	0.81	-9.58	12	0	HS	
6175	14.52	274.81	6173.71	1.28	-15.2	12	360	HS	
6200	17.52	274.81	6197.74	1.86	-22.07	12	0	HS	
6225	20.52	274.81	6221.37	2.54	-30.19	12	0	HS	
6250	23.52	274.81	6244.54	3.33	-39.53	12	360	HS	
6275	26.52	274.81	6267.19	4.22	-50.06	12	360	HS	
6300	29.52	274.81	6289.26	5.2	-61.76	12	0	HS	
6325	32.52	274.81	6310.68	6.28	-74.6	12	0	HS	
6350	35.52	274.81	6331.4	7.46	-88.54	12	360	HS	
6375	38.52	274.81	6351.36	8.72	-103.53	12	0	HS	
6400	41.52	274.81	6370.5	10.07	-119.55	12	0	HS	
6425	44.52	274.81	6388.78	11.5	-136.55	12	360	HS	
6450	47.52	274.81	6406.14	13.01	-154.47	12	360	HS	
6475	50.52	274.81	6422.53	14.59	-173.27	12	0	HS	
6500	53.52	274.81	6437.91	16.24	-192.91	12	360	HS	
6525	56.52	274.81	6452.24	17.96	-213.32	12	0	HS	
6550	59.52	274.81	6465.48	19.74	-234.45	12	0	HS	
6575	62.52	274.81	6477.59	21.58	-256.24	12	360	HS	
6600	65.52	274.81	6488.54	23.46	-278.63	12	0	HS	
6625	68.52	274.81	6498.3	25.39	-301.56	12	360	HS	
6650	71.52	274.81	6506.84	27.37	-324.97	12	0	HS	
6675	74.52	274.81	6514.15	29.37	-348.79	12	360	HS	
6700	77.52	274.81	6520.18	31.41	-372.96	12	360	HS	
6725	80.52	274.81	6524.94	33.47	-397.42	12	360	HS	
6750	83.52	274.81	6528.42	35.54	-422.09	12	0	HS	
6775	86.52	274.81	6530.58	37.63	-446.9	12	360	HS	
6800	89.52	274.81	6531.45	39.73	-471.79	12	360	HS	
6816.98	91.56	274.81	6531.29	41.15	-488.71	12	360	HS	Producing Zone
11094.93	91.56	274.81	6415	400	-4750	0			Lateral TD

Pilot hole will be drilled to 6730' where 7" casing will be set and cemented. A whipstock will then be set at approx. 6054' and a window milled in the 7" casing where well will be kicked off at 12 degrees per 100' to 11,095' MD with a TVD of 6,415' where 4 1/2" Peak Completion Liner Assembly will be set and will NOT be cemented. Penetration point of producing formation encountered at 1841' FML and 689' FEL, 32-16S-28E. Deepest TVD of the well will be in the pilot hole @ 6,780'. Deepest TVD in the lateral will be 6531'

S

3D Directional Drilling Planner - 3D

Company: Yates Petroleum Corporation
Well: Crow ASM State Com. #3H



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3D Directional Drilling Planner - 3D

