

DISTRICT I
1826 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 15, 2009

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Submit one copy to appropriate District Office

RECEIVED

DEC - 4 2009

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-37462	Pool Code 11520	Pool Name Cedar Canyon; Bone Spring
Property Code	Property Name CHEVRON "BOT"	Well Number 1H
OGRID No.	Operator Name YATES PETROLEUM CORP.	Elevation 2953'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	5	24 S	29 E		660	NORTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

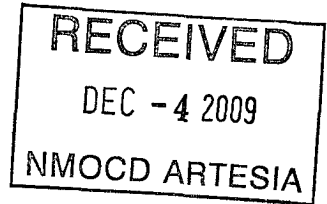
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	5	24 S	29 E		660	NORTH	1650	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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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

SURFACE LOCATION Lat - N 32°15'08.42" Long - W 104°00'50.65" NMSPCE- N 455681.078 E 640033.486 (NAD-83) PROPOSED BOTTOM HOLE LOCATION Lat - N 32°15'08.12" Long - W 104°00'12.34" NMSPCE- N 455661.003 E 643323.531 (NAD-83) PENETRATION POINT 660' FWL 802' FWL PROJECT AREA PRODUCING ZONE	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 or has a right to drill this well at this 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. Signature _____ Date _____ 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. NOVEMBER 17 2009 Date Surveyed _____ Signature & Seal of Professional Surveyor _____ Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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Chevron BOT Com. #1H



Contingency Casing Design

If hole conditions dictate, 7" casing will be set at 7,793' MD (7,525' TVD). A 6 1/8" hole will then be drilled to 10,620' MD (7,556' TVD) where 4 1/2" casing will be set and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 7000'.

2nd Intermediate

0 ft to 100 ft				Make up Torque ft-lbs			Total ft = 100
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	26 #/ft	J-55	LT&C	3670	2750	4590	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
4,320 psi	4,980 psi	367,000 #		415,000 #		6.151	

100 ft to 5,900 ft				Make up Torque ft-lbs			Total ft = 5,800
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	23 #/ft	J-55	LT&C	3130	2350	3910	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
3,270 psi	4,360 psi	313,000 #		365,000 #		6.25	

5,900 ft to 7,793 ft				Make up Torque ft-lbs			Total ft = 1,893
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
7 inches	26 #/ft	J-55	LT&C	3670	2750	4590	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
4,320 psi	4,980 psi	367,000 #		415,000 #		6.151	

DV tools placed at 7000' and 4200'.

Stage I: Cemented w/175sx PVL (YLD 1.41 Wt 13) TOC= 7000'

Stage II: Cemented w/600sx PVL (YLD 1.41 Wt 13) TOC= 4200'

Stage III: Cemented w/150sx Lite Crete (YLD 2.78 Wt 9.9), tail w/100sx PVL (YLD 1.41 Wt 13) TOC= 2350'

Production

0 ft to 10,620 ft				Make up Torque ft-lbs			Total ft = 10,620
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
4.5 inches	11.6 #/ft	HCP-110	LT&C	3020	2270	3780	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
8,650 psi	10,690 psi	279,000 #		367,000 #		3.875	

DV tool placed at approx. 7000' and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 7000'.

Cemented w/485sx PVL (YLD 1.41 Wt 13) TOC= 7000'

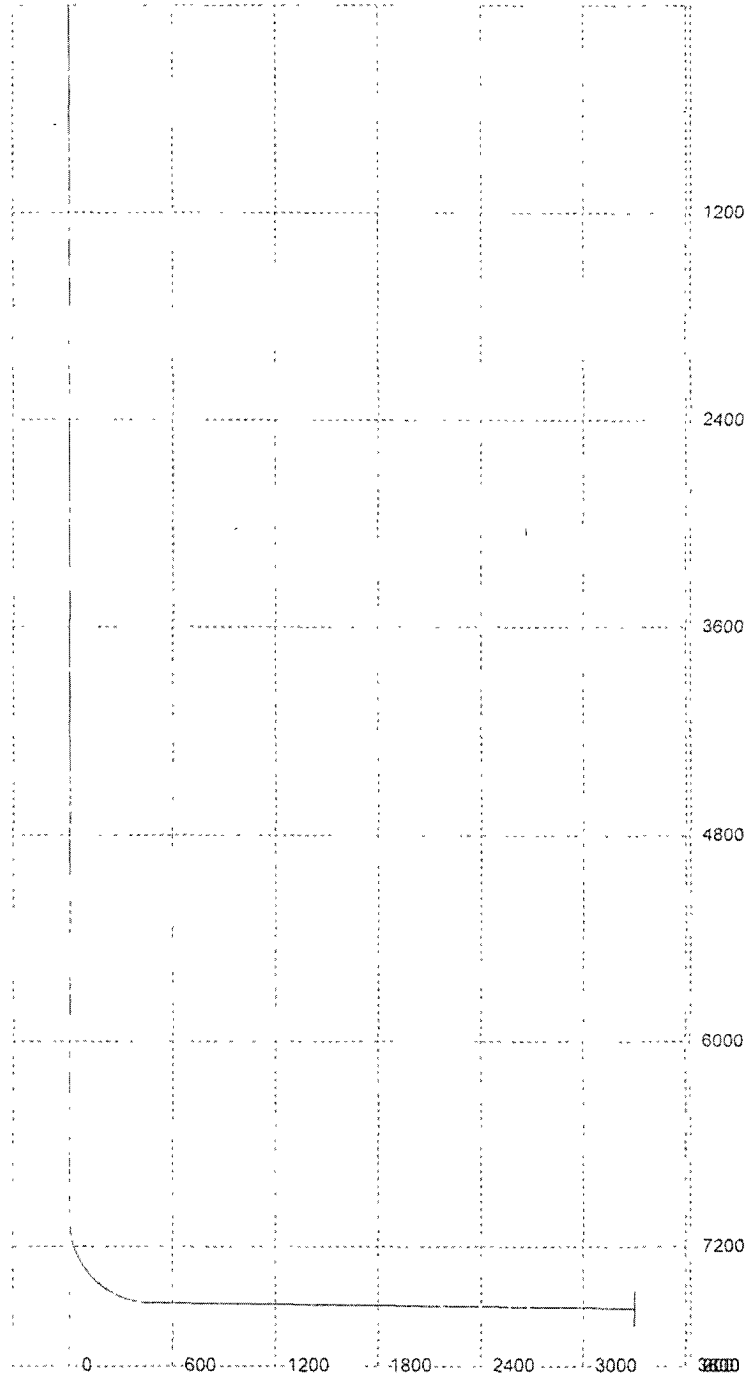
M.D	Inclination	Azimuth	T.V.D	N+/S	E+/W	D.L.S	ToolFace	T.F. Ref. [HS/GN]	
0	0	0	0	0	0	0			
312	0	0	312	0	0	0			RUSTLER
650	0	0	650	0	0	0			TOP OF SALT
2,750	0	0	2,750	0	0	0			BASE OF SALT
2,800	0	0	2,800	0	0	0			BELL CANYON
3680	0	0	3680	0	0	0			CHERRY CANYON
4890	0	0	4890	0	0	0			BRUSHY CANYON
6350	0	0	6350	0	0	0			BRUSHY CANYON MKR
6475	0	0	6475	0	0	0			BONE SPRINGS
7048	0	0	7048	0	0	12	90	GN	KOP
7050	0 24	90	7050	0	0	12	0	HS	
7075	3.24	90	7074.99	0	0 76	12	0	HS	
7100	6 24	90	7099.9	0	2 83	12	0	HS	
7125	9 24	90	7124.67	0	6 2	12	0	HS	
7150	12 24	90	7149.23	0	10 85	12	0	HS	
7175	15.24	90	7173.51	0	16.79	12	0	HS	
7200	18.24	90	7197.45	0	23.99	12	0	HS	
7225	21 24	90	7220.97	0	32.43	12	0	HS	
7250	24 24	90	7244.03	0	42.1	12	0	HS	
7275	27 24	90	7266.54	0	52.95	12	0	HS	
7300	30 24	90	7288.46	0	64.97	12	0	HS	
7325	33 24	90	7309.72	0	78.12	12	0	HS	
7350	36 24	90	7330.26	0	92.37	12	0	HS	
7375	39 24	90	7350.03	0	107.67	12	0	HS	
7400	42 24	90	7368.97	0	123.98	12	0	HS	
7425	45 24	90	7387.03	0	141.26	12	0	HS	
7450	48 24	90	7404.16	0	159.47	12	0	HS	
7475	51 24	90	7420.31	0	178.54	12	0	HS	
7500	54 24	90	7435.45	0	198.44	12	0	HS	
7525	57 24	90	7449.52	0	219.1	12	0	HS	
7545	59.64	90	7459.99	0	236.14	12	0	HS	1ST BONE SPRINGS
7550	60.24	90	7462.49	0	240.47	12	0	HS	
7575	63 24	90	7474.33	0	262.48	12	0	HS	
7600	66 24	90	7485	0	285.09	12	0	HS	
7625	69 24	90	7494.46	0	308.23	12	0	HS	
7650	72.24	90	7502.71	0	331.82	12	0	HS	
7675	75 24	90	7509.71	0	355.82	12	0	HS	
7700	78 24	90	7515.44	0	380.15	12	0	HS	
7725	81 24	90	7519.9	0	404.75	12	0	HS	
7750	84 24	90	7523.05	0	429.55	12	0	HS	
7775	87 24	90	7524.91	0	454.47	12	0	HS	
7792.84	89.38	90	7525.44	0	472.3	12	0	HS	TARGET ZONE
10620.7	89.38	90	7556	0	3300	0			LATERAL TD

Pilot hole drilled vertically to 7900'. Well will be plugged back with 180' plug on bottom and 400'-500' kick off plug at approx. 7048' and directionally drilled at 12 degrees per 100' with a 8 3/4" hole to 7793' MD (7,525' TVD). If hole conditions dictate, 7" casing will be set. A 6 1/8" hole will then be drilled to 10,620' MD (7,556' TVD) where 4 1/2" casing will be set and cemented. If 7" is not set, then hole size will be reduced to 7 7/8" and drilled to 10,620' MD (7,556' TVD) where 5 1/2" casing will be set and cemented. Penetration point of producing zone will be encountered at 660' FNL and 802' FWL, 5-24S-29E. Deepest TVD in the well is 7900' in the pilot hole. Deepest TVD in the lateral will be 7556'.

3D³ Directional Drilling Planner - 3D View

Company: Yates Petroleum Corporation

Well: Chevron BOT Com. #1



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