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

OIL CONSERVATION DIVISION

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

Form C-102
Revised October 15, 2009

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Pierce Crossing Bone Spring, North

Property Code	Property Name	Well Number
	DOC "BHU" STATE	2H
OGRID No.	Operator Name	Elevation
	YATES PETROLEUM CORP.	3226'

Surface Location

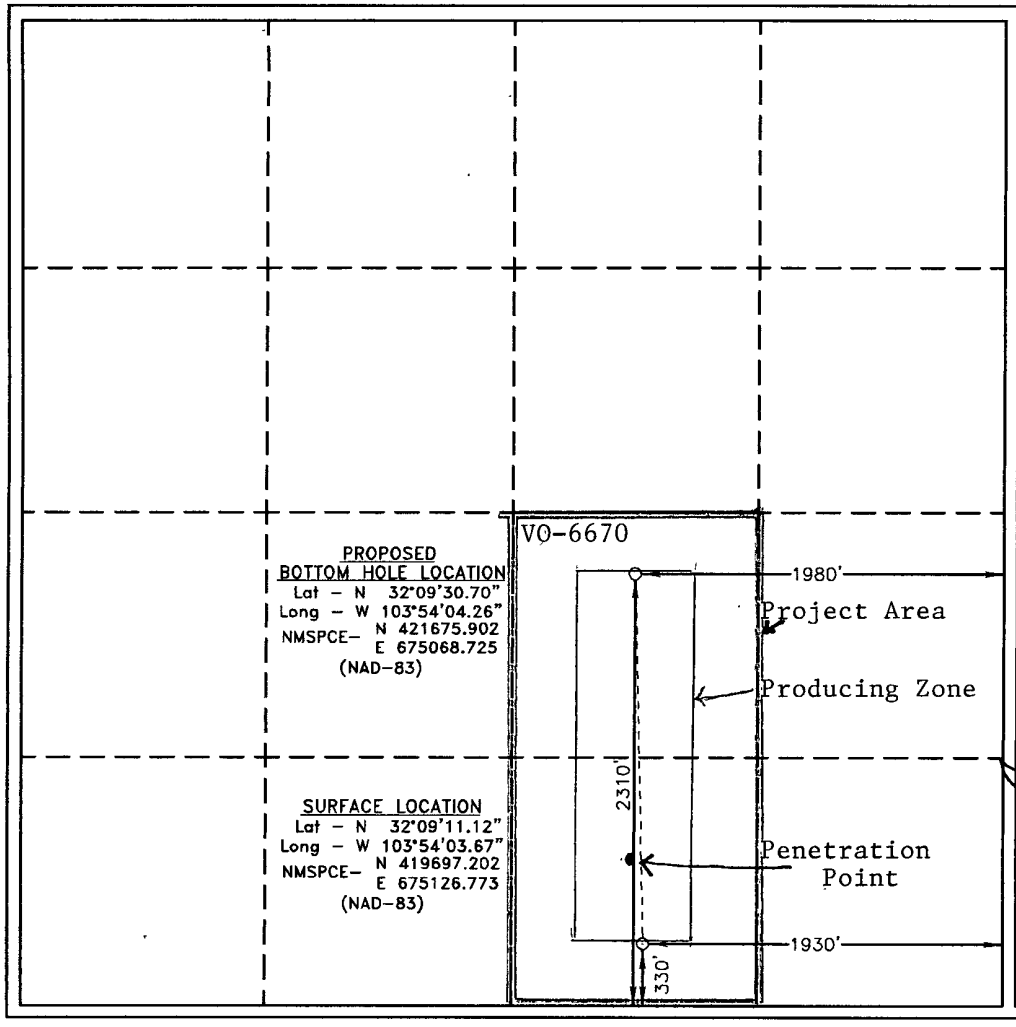
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	5	25 S	30 E		330	SOUTH	1930	EAST	EDDY

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
J	5	25 S	30 E		2310	SOUTH	1980	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
80			

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



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.

11/30/09
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 supervison, and that the same is true and correct to the best of my belief.

NOVEMBER 12, 2009
Date Surveyed
Signature & Seal of Professional Surveyor

GARY L. JONES NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. No. 21043

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

Doc BHU State #2H

Contingency Casing Design

If hole conditions dictate, 7" casing will be set at 8,123' MD (7,850' TVD). A 6 1/8" hole will then be drilled to 9,626' MD (7,850' 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 7300'.

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 5,700 ft				Make up Torque ft-lbs			Total ft = 5,600
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	4,360 psi	313,000 #		366,000 #		6.25	

5,700 ft to 8,123 ft				Make up Torque ft-lbs			Total ft = 2,423
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	

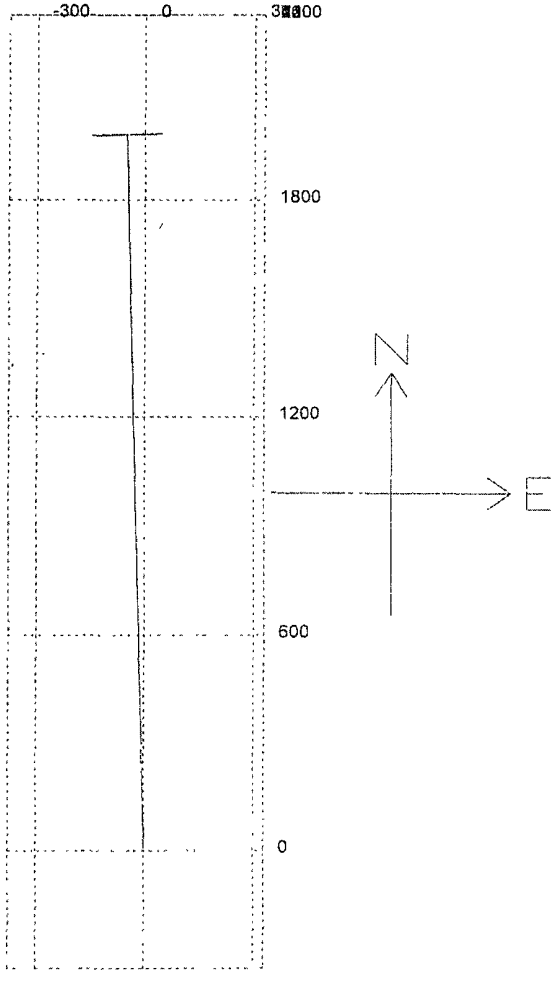
DV tool placed at 6800'
Stage I: Cemented w/300sx PVL (YLD 1.41 Wt 13) TOC= 6800'
Stage II. Cemented w/810sx PVL (YLD 1.41 Wt 13) TOC= 3000'

Production

0 ft to 9,626 ft				Make up Torque ft-lbs			Total ft = 9,626
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	

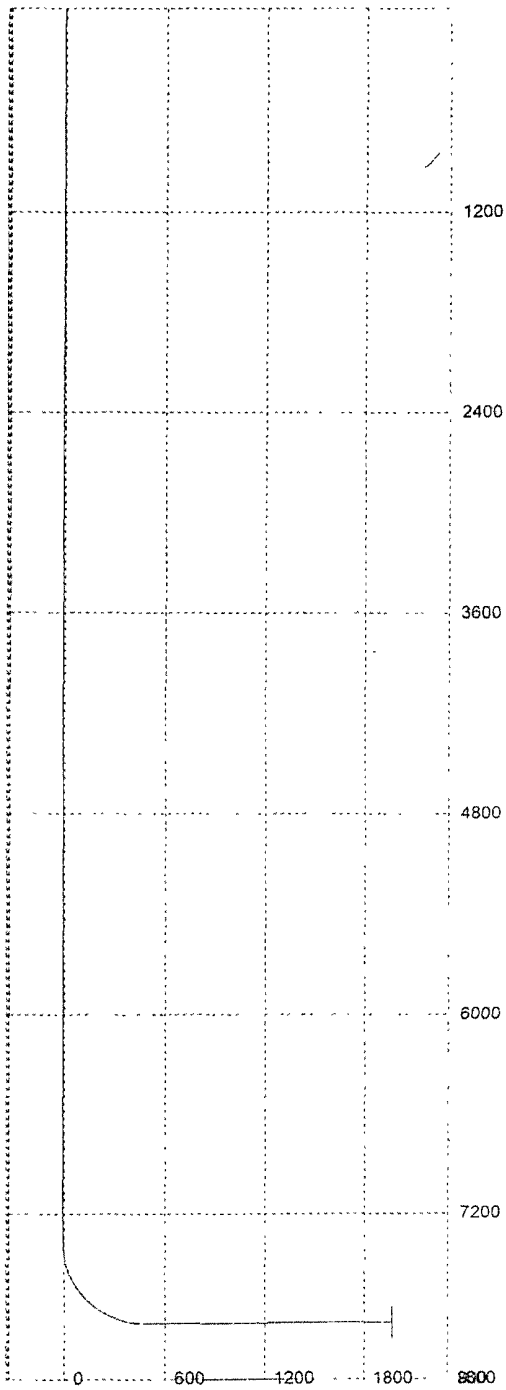
DV tool placed at approx. 7300' and cemented with one stage up to dv tool. After completion procedures, the 4 1/2" casing will be cut and pulled at 7300'.
Cemented w/310sx PVL (YLD 1.41 Wt 13) TOC= 7300'

Company: **Yates Petroleum Corporation**
Well: **Doc BHU State #2H**



3L Directional Drilling Planner - 3D \ w

Company: **Yates Petroleum Corporation**
Well: **Doc BHU State #2H**



File: G:\drilling toolbox wellplans\Horizontal\doc2h.wpp

MD	Inclination	Azimuth	TVD	N/S	E/W	D L S	ToolFace	D F Ref [HS/GN]	
0	0	0	0	0	0	0			
625	0	0	625	0	0	0			RUSTLER
695	0	0	695	0	0	0			TOP OF SALT
3,455	0	0	3,455	0	0	0			BASE OF SALT
4,065	0	0	4,065	0	0	0			BELL CANYON
5,430	0	0	5,430	0	0	0			CHERRY CANYON
6,670	0	0	6,670	0	0	0			BRUSHY CANYON
7,240	0	0	7,240	0	0	0			BRUSHY CANYON MARKER
7373	0	0	7373	0	0	12	359	GN	KOP
7375	0.24	358.55	7375	0	0	12	360	HS	
7400	3.24	358.55	7399.99	0.76	-0.02	12	0	HS	
7425	6.24	358.55	7425	2.83	-0.07	12	0	HS	BONE SPRINGS
7450	9.24	358.55	7449.67	6.19	-0.16	12	360	HS	
7475	12 24	358.55	7474.23	10.85	-0.27	12	360	HS	
7500	15.24	358.55	7498.51	16.79	-0.42	12	360	HS	
7525	18.24	358.55	7522.45	23.98	-0.61	12	360	HS	
7550	21.24	358.55	7545.97	32.42	-0.82	12	360	HS	
7575	24.24	358.55	7569.03	42.08	-1.06	12	360	HS	
7600	27 24	358.55	7591.54	52.93	-1.34	12	360	HS	
7625	30.24	358 55	7613.46	64.95	-1.64	12	0	HS	
7650	33 24	358 55	7634.72	78.1	-1.97	12	0	HS	
7675	36.24	358.55	7655.26	92.34	-2 33	12	360	HS	
7700	39.24	358.55	7675.03	107.63	-2 72	12	0	HS	
7725	42.24	358.55	7693.97	123 94	-3.13	12	0	HS	
7750	45 24	358.55	7712 03	141 22	-3.57	12	360	HS	
7775	48 24	358.55	7729.16	159.42	-4.03	12	0	HS	
7800	51.24	358.55	7745 32	178 48	-4.51	12	0	HS	
7825	54.24	358.55	7760 45	198.37	-5.01	12	0	HS	
7850	57.24	358.55	7774 52	219 03	-5.53	12	0	HS	
7875	60.24	358.55	7787.49	240.39	-6.07	12	360	HS	
7900	63.24	358 55	7799.33	262.4	-6.63	12	0	HS	
7925	66.24	358 55	7810	285	-7 2	12	360	HS	
7950	69.24	358.55	7819.47	308 12	-7 78	12	0	HS	
7975	72.24	358.55	7827 71	331 72	-8 38	12	360	HS	
8000	75.24	358.55	7834.71	355 71	-8 98	12	360	HS	
8025	78 24	358.55	7840 45	380 03	-9.6	12	360	HS	
8050	81.24	358.55	7844 9	404 62	-10 22	12	0	HS	
8075	84.24	358 55	7848 06	429 41	-10.84	12	0	HS	
8100	87 24	358 55	7849 91	454 33	-11 47	12	0	HS	
8123.15	90.02	358.55	7850.47	477.46	-12.06	12	0	HS	BONE SPRINGS PAY
9626.17	90.02	358.55	7850	1980	-50	0			LATERAL TD

Well will be drilled vertically to 7373' At 7373' well will be kicked off at 12 degrees per 100' with an 8 3/4" hole to 8123' MD (7,850' TVD). If hole conditions dictate, 7" casing will be set. A 6 1/8" hole will then be drilled to 9,626' MD (7,850' 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 9,626' MD (7,850' TVD) where 5 1/2" casing will be set and cemented. Penetration point of producing zone will be at 807' FSL and 1942' FEL, 5-25S-30E. Deepest TVD in the well is 7850' in the lateral.