FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

UNITED STATES DEPARTMENT OF THE INTERIORFED BUREAU OF LAND MANAGEMENT

Lease Serial No. SF 079082-A

APPLICATION FOR PERMIT TO	DRILL OR	REENTERIVED
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APPLICATION FOR PERMIT TO	D	6. II Indian, Anotee or 1	ribe Name		
la. Type of work:	OTO FARMING		7 If Unit or CA Agreemer Northeast Blanco I		
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	le Zone	8. Lease Name and Well NEBU 342	No.	
2. Name of Operator Devon Energy Production Company, L.	.P.		9. ABJ Well No.39-	29795	
3a. Address PO Box 6459 Farmington, NM 87419		10. Field and Pool, or Explo Basin Dakota/Blan	•		
4. Location of Well (Report location clearly and in accordance with arr At surface 365' FSL & 2,330' FEL, Unit O, SW At proposed prod. zone 1,700' FSL & 1,100' FWL, Unit L, N	vse Lot 8		11. Sec., T. R. M. or Blk.an Sec. 17, T30N, RAN	•	
14. Distance in miles and direction from nearest town or post office* Approximately 27.8 miles			12. County or Parish Rio Arriba	13. State NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 365'	16. No. of acres in lease	17. Spacing	Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7,923 '	20. BLM/B	BLM/BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GR 6,294'	22. Approximate date work will star 04/01/2006	t*	23. Estimated duration Unknown		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

23. Signature M.S. B.	Melisa Zimmerman	Z-Z-06
Title Senior Operation Technician		
Approved by (Signature)	Name (Printed/Typed)	Date / Da / OC
Title Actine DAM	Office	

24. Attachments

Application approval dods not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title I8 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully 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.

*(Instructions on page 2)

JUN 2008

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".





District I'
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719

1000 Rio Brazos Rd., Aziec, NM 87410

PO Box 2088, Santa Fc. NM 87504-2088

District III

District IV

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

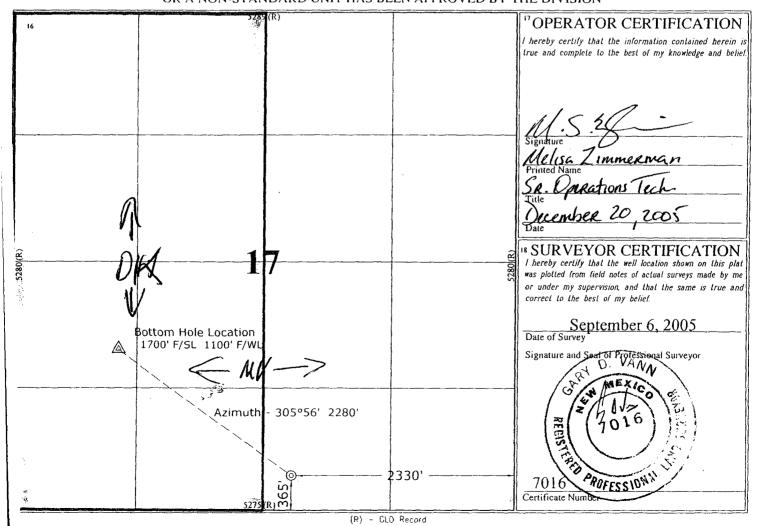
WELL LOCATION AND ACREAGE DEDICATION PLAT

i	'AP' N			¹ Pool Code		' Pool Name						
30-00	30-039-29795		715	99/723	319 Ba	Basin Dakota / Blanco Mesavarde						
Property	Code				1 Property	/ Name			⁶ Well Number			
19641		N	EBU						# 342			
, OGRID	No.		* Operator Name					* Operator Name * Elevation				
4137	,	D	evon E	nergy P	roduction (tion Company, L.P. 6294						
¹⁰ Surface Location												
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
1 ^	4.57	20.37		0	365	COTIME	2220	TO A COOD	Dia Assiba			

Rio Arriba 0 30 N 7 W 365 SOUTH 2330 EAST 17 "Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the East/West line County Feet from the North/South fine 7 W 1700 SOUTH WEST Rio Arriba 1, 17 30 N 1100 12 Dedicated Acres Joint or Infill 14 Consolidation Code 13 Order No. 320 W

NO A SOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

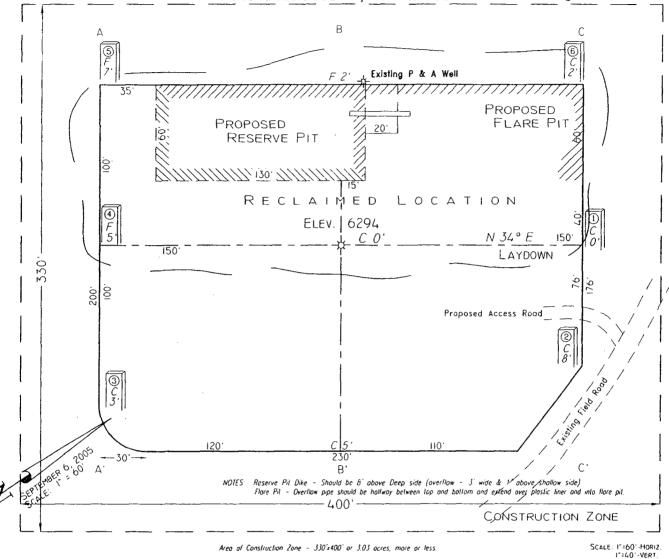


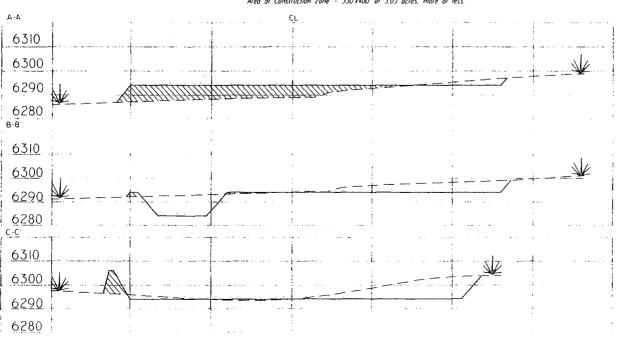
Submit 3 Copies To Appropriate District Office	State of N	lew Mexi	co		Form C-103
District I	Energy, Minerals a	nd Natural	Resources		March 4, 2004
1625 N. French Dr., Hobbs, NM 88240 District II				WELL API NO.	2 20005
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVA	ATION D	IVISION	5. Indicate Type	9-29795
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South	St. Franci	s Dr.	STATE	FEE S
District IV	Santa Fe,	NM 8750	6. State Oil & G		
1220 S. St. Francis Dr., Santa Fe, NM 87505				Fee	
	CES AND REPORTS ON	WELLS		7. Lease Name of	or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS			ľ		
DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)	NORTHEAST I	····			
1. Type of Well:	8. Well Number				
Oil Well Gas Well	Other			342	
2. Name of Operator				9. OGRID Num	ber
	ergy Production Compar	ıy, L.P.		6137	*****
3. Address of Operator PO Box 6459, Navajo Dam, NM	Q7A10			10. Pool name o	r Wildcat Blanco Mesaverde
4. Well Location	0/417			Dasiii Dakuta / D	Talled Mesavelue
4. Wen Edeation					
Unit Letter_O_:_365'	feet from theSouth	line and _	2,330'feet f	rom theEast	_line
Section 17 Township	30N Range 7W	NMPM	Count	y - Rio Arriba	
Section 17 Township	11. Elevation (Show whe GR 6,294'	ether DR, R	KB, RT, GR, etc.)		***
Pit or Below-grade Tank Application (For		es, a form C-	144 must be attached	<u> </u>	
Pit Location: UL_O_Sect_17_Twp_	31N_Rng7W Pit typeDr	illingDepth	to Groundwater_>1	00'_Distance from ne	earest fresh water wel
Distance from nearest surface water_(1	000'_ Below-grade Tank Locat	ion UL	SectTwp_	Rng ;	
feet from theline and					
12 Chaola A	appropriate Box to Ind	iooto Mot	ura of Notice 1	Panart or Otha	r Doto
NOTICE OF IN		icaie Ivaii		SEQUENT RE	
PERFORM REMEDIAL WORK			REMEDIAL WORK		ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRIL	.LING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	MULTIPLE COMPLETION		CASING TEST AN CEMENT JOB	D 🗆	ADARDONNEN
OTHER: CONSTRUCT DRILLING			OTHER:		<u> </u>
13. Describe proposed or comp of starting any proposed wo or recompletion.14.					tes, including estimated date ram of proposed completion
Devon Energy will be	constructing a lined	drilling p	it. The closu	e of said pit w	vill be in accordance
with the NMOCD reg	_	~ -		_	
				<u> </u>	
I hereby certify that the information grade tank has been/will be constructed or					
SIGNATURE M.S.	ТТ	ITLE _Sr	Operations Tech	nician	_ DATE 2- 7-06
Type or print name Melisa Zimme	rman E-mail address	: Melisa.z	immerman@dvn.	com Telephone	e No. 405-552-7917
(This space for State use)					
A DODD OVER DV	11 11 -	rone political		. <i>K</i>	DATE OF THE PARTY
APPPROVED BY Conditions of approval, if any:	t//y/	H-L HASPUT	v oil 8 gas insi	ECTOR, DIST. (3	DATE UN 1 2 2006

PAD LAYOUT PLAN & PROFILE DEVON ENERGY PRODUCTION COMPANY, L.P.

Nebu # 342 365' F/SL 2330' F/EL SEC. 17, T30N, R7W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO Lat: 36.8064° Long: 107.5933° Lat: 36°48'23"

Lat: 36°48'23" Long: 107°35'36"





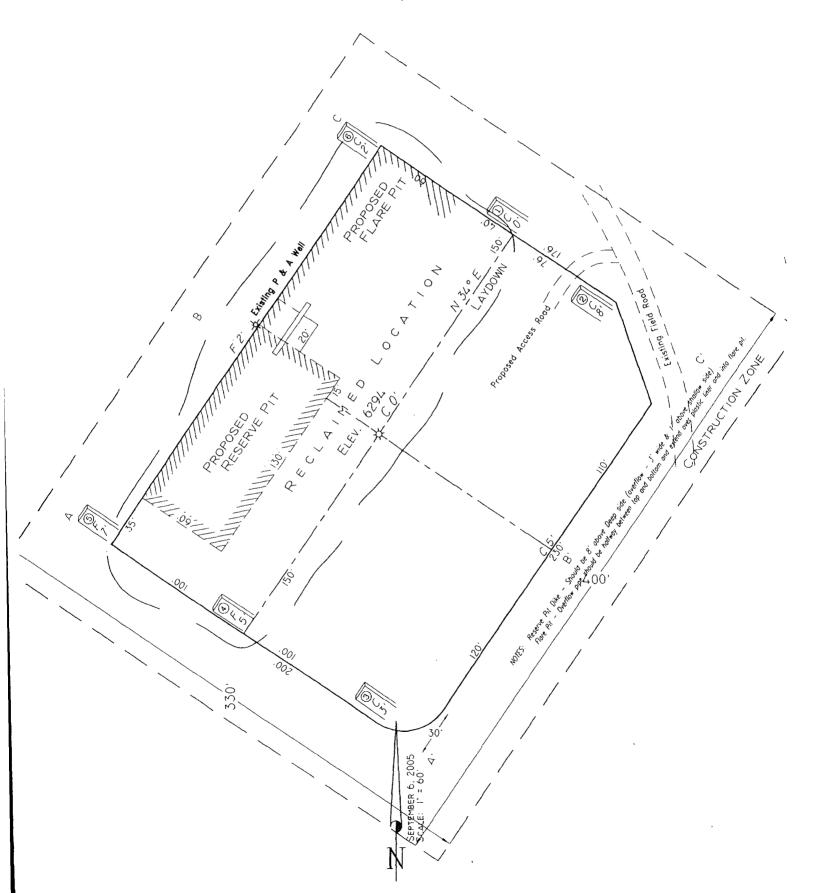
NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pod and/or access road at least two (2) working days prior to construction

Cuts and fills shown are approximate – final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sidestopes and drainages Final Pad Dimensions are to be verified by Contractor.

VANN SURVEYS P. O. Box 1306 Farmington, NM

PAD LAYOUT PLAN & PROFILE DEVON ENERGY PRODUCTION COMPANY, L.P.

Nebu # 342 365' F/SL 2330' F/EL SEC. 17, T30N, R7W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO Lat: 36.8064° Long: 107.5933° Lat: 36°48'23" Long: 107°35'36"



NEBU 342 Unit O 17-30N-7W San Juan Co., NM

DRILLING PLAN

1. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:</u>

Formation	TVD (ft)	TMD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	Surface	
Ojo Alamo	2181	2741	Aquifer
Kirtland	2289	2909	
Fruitland	2704	3524	Gas
Pictured Cliffs Main	3220	4107	Gas
Lewis	3323	4213	Gas
Intermediate TD	3423	4315	
Huefanito Bentonite	3901	4793	Gas
Chacra / Otera	4276	5168	Gas
Cliff House	5016	5908	Gas
Menefee	5116	6008	Gas
Point Lookout	5439	6331	Gas
Mancos	5848	6740	Gas
Gallup	6771	7663	Gas
Greenhorn	7441	8333	
Graneros	7497	8389	Gas
Dakota	7613	8505	Gas
Paguate	7626	8518	
Cubero	7666	8558	
Oak Canyon	7705	8597	
Encinal Canyon	7726	8618	
Lower Encinal Canyon	7759	8651	

Burro Canyon	7786	8678	
Morrison	7873	8765	
TD	7923	8815	

^{*}All shows of fresh water and minerals will be adequately protected and reported.

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram, which shows the size, and pressure ratings.

• 2000# BOP With Pipe Rams and 2000# BOP With Blind Rams

Auxiliary equipment to be used:

• Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- · Following related repairs
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew. All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above precharge pressure without the use of closing unit pumps.

Master controls will be at the accumulator. Anticipated bottom hole pressure is 3400 psi.

3. Casing & Cementing Program:

A. The proposed casing program will be as follows:

TVD	TMD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285'	0-285'	12- 1/4"	9-5/8"	H-40	32#	STC	New
0-3423	0-4315	8-3/4"	7"	K-55	23#	LTC	New

						Contract of Contract on the Wildlife on the Wildlife of the State of t	
0- TD	0- TD	6-1/4"	4-1/2"	J-55	11.6 #	LTC	New

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

<u>Surface</u>: The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

<u>Intermediate</u>: The bottom three joints of the 7" casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

Production: The bottom three joints will have a minimum of one centralizer per joint and one centralizer every fifth joint to 3500' (estimated 25 centralizers used). Centralizers will be open bow spring or basket bow spring type.

B. The proposed cementing program will be as follows:

Surface String:

Cement will be circulated to surface.

Lead: 200 sx Class "B" with 100% Standard Cement, 2.00% CaCl2, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.24 gal/sx

* Minor variations possible due to existing conditions

Intermediate String:

Cement will be circulated to surface.

Lead: 500 sx 50/50 Poz, Yd-1.45, Water Gal/sx 6.8, Mixed @ 13ppg Foamed W/ N2 Down To 9.0# Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.

Tail: 75 sx 50/50 Poz, Yd-1.45, Water Gal/Sk 6.8, Additives 2% Gel, 0.2% Versaset, 0.1% Diacel Lwl.

* Minor variations possible due to existing conditions

If hole conditions dictate, an alternate, cement design will be used:

Lead: 575 sx 50/50 Poz with 50% Class B Cement, 50% San Juan Poz, .4% Halad-344, .1% CFR-3, 3% Bentonite, 5#/sx Gilsonite, .25#/sx Flocele. Density: 13.0 lb/gal; Yield: 1.46 cuft/sx; Water: 6.42 gal/sx

Tail: 75 sx 50/50 Poz with 94#/sx Standard Cement, 0.3% Halad-344, .25 #/sx Flocele. Density: 15.6 lb/gal; Yield: 1.18 cuft/sx; Water: 5.23 gal/sx

* Minor variations possible due to existing conditions

Production String:

TOC designed to circulate 1000' into intermediate string, cement will tie into the intermediate casing as a minimum. Volumes may vary with actual well characteristics.

Lead: 250 sx 50/50 Poz with 2% Gel, 0.2% Halad, 0.1% CFR-3.

5 #/sx Gilsonite, 0.25 #/sx Flocele. Mixed at 13 ppg, 1.47 ft 3/sx foamed to 9 ppg, 2.18 ft 3/sx.

Tail: 450 sx 50/50 Poz with 50% Standard Cement, 50% San Juan Poz, 3% Bentonite, 1.40% Halad-9, .10% CFR-3, .10% HR-5, 5 #/sx Gilsonite, 0.25 #/sx Flocele. Density: 13.0 lb/gal; Yield: 1.47 cuft/sx; Water: 6.35 gal/sx *

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

4. DRILLING FLUIDS PROGRAM:

TVD Interval	TMD Interval	Туре	Weight (ppg)	Viscosity	pН	Water Loss	Remarks
0-285'	0-285'	Spud- foam	8.4-9.0	29-70	8.0	NC	FW gel, LSND or stiff foam
285'-3,423'	285'-4,315'	Air				NC	
3,423' - TD	4,315' - TD	Air/N2 or Mud	8.5-9.0*	30-50	8.0-10.0	8-810cc @ TD	Low solids- non-dispersed. * min Wt. to control formation pressure

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. EVALUATION PROGRAM:

Logs:

Density

Neutron Induction

In the event open hole logs are not run in the well, a cased hole evaluation log will Be run.

Survey:

Deviation surveys will be taken every 500' from 0-TD or first succeeding bit change. The hole will be air drilled from intermediate casing point to TD. The equipment used in this type of operation will not allow for single shot surveys without considerable operational delays. A survey will be taken at TD. Similar wells in this area have not shown significant deviation in this section of the hole.

Cores:

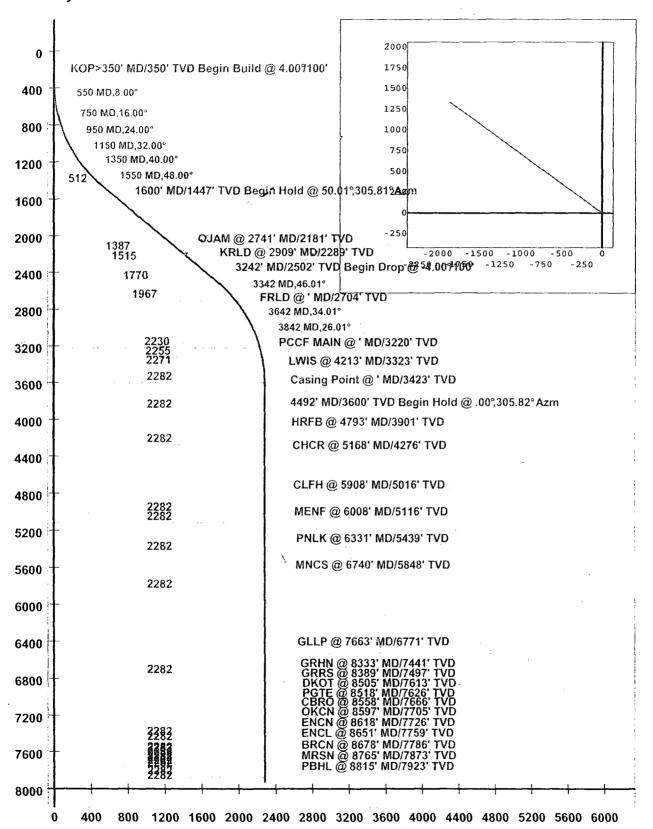
None anticipated.

^{*} Minor variations possible due to existing conditions

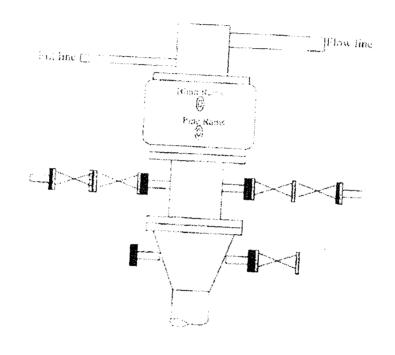
Company: Devon Energy Lease/Well: NEBU 342 Location: Rio Arriba County

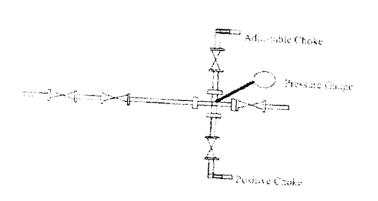
State/Country: NM





Well Control Equipment 2,000 psi Configuration





WE well control equipment designed to meet or exceed the Onshore Oil and Gas Order No. 2, BLM 43 CFR 1450 requirements for 2M systems.