300g Will

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

59

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

	:	
1a.	Type/of Work DREEL	5. Lease Numbers UN 2 67 7 SF-077980-AUN 2 67 7 Unit Reporting Number
1b.	Type of Well GAS	Andin ()
2.	Operator BURLINGTON	7. Unit Agreement Name
	RESOURCES Oil & Gas Company	Huerfano Unit
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name Huerfano Unit 9. Well Number
	(505) 326-9700	#140F
4.	Location of Well 1410' FNL, 895' FWL	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ^o 31.2364'N, Longitude 107 ^o	49.0156'W Sec. 5, T26N, R9W API # 30-045-3 3775
14.	Distance in Miles from Nearest Town 23 miles intersection Hwy 550 & 64	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or 895'	Lease Line
16.	Acres in Lease	17. Acres Assigned to Well DK 322.28 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, 53'	Compl, or Applied for on this Lease
19.	Proposed Depth 6861'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6524' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: tu Clark Regulatory Analyst	5/31/06 Date
PERM	IT NO. APP	ROVAL DATE
APPR	OVED BY WILL AND TITLE	edne AFM DATE 6/8/06
Threa NOTE: Title 1	eological Report attached tened and Endangered Species Report attached This format is issued in lieu of U.S. BLM Form 3160-3 8 U.S.C. Section 1001, makes it a crime for any person knowingly States any false, fictitious or fraudulent statements or presentation	

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office State Lease - 4 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	*Pool Code		
30-045- <i>337</i>	75 71599	Basin Dakota	
Property Code	⁶ P ₁	operty Name	* Well Number
7139	HUERF	ANO UNIT	140F
OGRID No.	*O]	perator Name	* Elevation
14538	BURLINGTON RESOURCE	S OIL AND GAS COMPANY LP	6524

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
E	5	26-N	9-₩		1410'	NORTH	895'	WEST	SAN JUAN
			11 Bott	om Hole	Location I	Different Fr	m Surface		

Dottom Hole Bocation is District from Darrace										
UL or lot	o. Section	Township	Range	Lot Idn	Feet from the	North/South line	Fest from the	East/West line	County	
12 Dedicated	Acres	1	u Joint or	infill	M Consolidation C	Code	¹⁶ Order No.	<u> </u>	<u> </u>	
W/2	322.28	ac.				İ				

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

16	OR A NON-STAN	NDARD UNIT HAS B	EEN APPROVED I	BY THE DIVISION
	55' 03' E 6822.63'	LOT 2	LOT 1	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 hale location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretafore entered by the division.
LAT: 36'31.2384' N. LONG: 107'49.0158' W. NAD 1927 LAT: 36'31'14.2" N. LONG: 107'49'03.1" W. NAD 1983	USA ST. OTTORO	5		Signature Uoni Clark Printed Name 18 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. Date of Survey
				Signature and shall at Production Strveyor. 15703 Certificate Number 15703

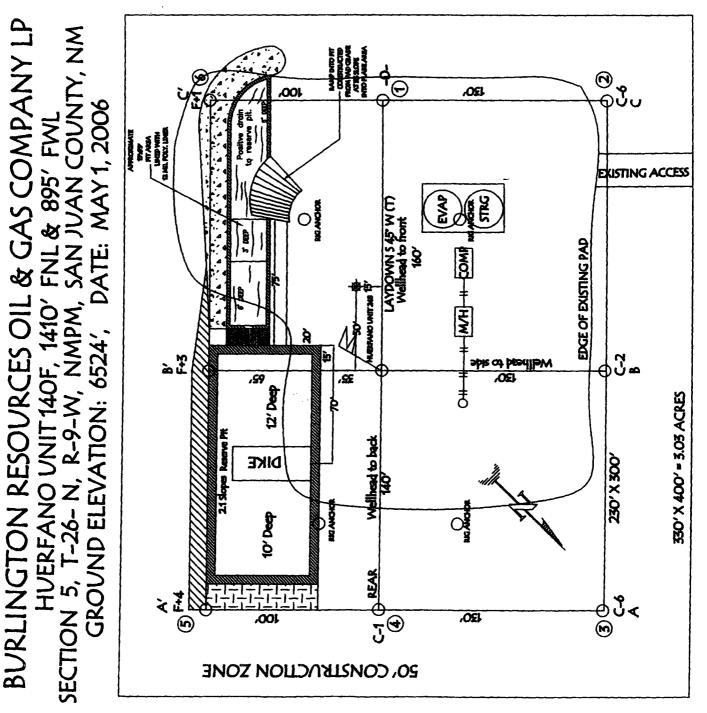


Office '	iate District	State of New Mexico	•		Form C-103
District I		rgy, Minerals and Natural Re			May 27, 2004
1625 N. French Dr., Hobbs, District II			WELL A	PI NO. 30-045	33775
1301 W. Grand Ave., Artesia District III	, NM 88210 OII	L CONSERVATION DIV		te Type of Lease	EE 🗍
1000 Rio Brazos Rd., Aztec,	NM 87410	1220 South St. Francis D Santa Fe, NM 87505	٠٠ ـــــــــــــــــــــــــــــــــــ	Dil & Gas Lease No.	
<u>District IV</u> 1220 S. St. Francis Dr., Sant	2 FA NM 87505	54114 7 4, 1 111 5 1 5 5 5		NMSF-077980-	,
SUN	DRY NOTICES AND RI		7. Lease l	Name or Unit Agreement	
(DO NOT USE THIS FORM FO DIFFERENT RESERVOIR. US		R TO DEEPEN OR PLUG BACK TO A IIT" (FORM C-101) FOR SUCH		Huerfano Unit	. [
PROPOSALS.)			(0. 37/11.5)		
1. Type of Well: Oil Well Gas	Well X Other		8. Well N	umber 140F	
2. Name of Operator	CTON RESOLUDOES OF	I & CAS COMPANIVID	9. OGRII		
3. Address of Operator	JION RESOURCES OF	L & GAS COMPANY LP	10. Pool r	14538 name or Wildcat	
3401 I	E. 30TH STREET, FARM	MINGTON, NM 87402		Basin Dakota	
Unit Letter I			ne and <u>895</u>	feet from theWes	
Section 5	A CONTRACTOR OF THE CONTRACTOR	Township 26N Rng Show whether DR, RKB, RT, GR,	9W NMP	M County	San Juan
Pit or Below-grade Tank Appli					
		00' Distance from nearest fresh wat	er well >1000'	Distance from nearest surfa	ace water
Pit Liner Thickness:	12 mil	Below-Grade Tank: Volume	bbls;	Construction Material	
12	. Check Appropria	ate Box to Indicate Nature	e of Notice, Repo	ort or Other Data	
	ICE O <u>F I</u> NTÊNTIO			QUENT REPORT	OF:
PERFORM REMEDIAL W			REMEDIAL WORK	⊢ —	RING CASING
TEMPORARILY ABANDO PULL OR ALTER CASING	H-7		COMMENCE DRILLIN CASING/CEMENT JO		DA L
		,			
OTHER:	New Drill		OTHER:		
13. Describe propose	d or completed operation	s. (Clearly state all pertinent det	ails, and give pertiner		
13. Describe propose	d or completed operation		ails, and give pertiner		
13. Describe propose of starting any pro	d or completed operation	s. (Clearly state all pertinent det	ails, and give pertiner		
13. Describe propose of starting any pro	d or completed operation	s. (Clearly state all pertinent det	ails, and give pertiner		
13. Describe propose of starting any proor recompletion.	d or completed operation	s. (Clearly state all pertinent det	ails, and give pertiner		
13. Describe propose of starting any proor recompletion. New Drill, Lined:	d or completed operation opposed work). SEE RUL	s. (Clearly state all pertinent det E 1103. For Multiple Completion	ails, and give pertiner ons: Attach wellbore	diagram of proposed con	npletion
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p	d or completed operations oposed work). SEE RUL	s. (Clearly state all pertinent det E 1103. For Multiple Completion	ails, and give pertiner ons: Attach wellbore 's interpretation of the	diagram of proposed con	npletion g criteria, the
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on	d or completed operation opposed work). SEE RUL roposed work) are roposes to construct a new lunlined pit as detailed in file at the NMOCD office	s. (Clearly state all pertinent det E 1103. For Multiple Completion w drill pit. Based on Burlington n Burlington's Revised Drilling / e. Burlington Resources anticipa	ails, and give pertiner ons: Attach wellbore 's interpretation of the Workover Pit Constr	diagram of proposed con Ecosphere's risk rankin action / Operation Procec	npletion g criteria, the dures dated
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on	d or completed operation oposed work). SEE RUL or oposed work or oposes to construct a new lunlined pit as detailed in	s. (Clearly state all pertinent det E 1103. For Multiple Completion w drill pit. Based on Burlington n Burlington's Revised Drilling / e. Burlington Resources anticipa	ails, and give pertiner ons: Attach wellbore 's interpretation of the Workover Pit Constr	diagram of proposed con Ecosphere's risk rankin action / Operation Procec	npletion g criteria, the dures dated
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office. 2, 2004 on file at the NM	s. (Clearly state all pertinent det E 1103. For Multiple Completion w drill pit. Based on Burlington n Burlington's Revised Drilling / e. Burlington Resources anticipa	ails, and give pertiner ons: Attach wellbore s interpretation of the Workover Pit Constructes closing the pit acc	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / W	npletion g criteria, the dures dated Vorkover Pit Closure
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NMOCD office.	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa	ails, and give pertiner ons: Attach wellbore s interpretation of the Workover Pit Constructes closing the pit acc	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / W	npletion g criteria, the dures dated Vorkover Pit Closure
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NMOCD office.	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office.	ails, and give pertiner ons: Attach wellbore s interpretation of the Workover Pit Constructes closing the pit acc	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / W	npletion g criteria, the dures dated Vorkover Pit Closure
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NMOCD office.	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office.	ails, and give pertiner ons: Attach wellbore s interpretation of the Workover Pit Constructes closing the pit acc	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / W	npletion g criteria, the dures dated Vorkover Pit Closure
13. Describe propose of starting any proof or recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NMOCD office.	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office.	ails, and give pertiner ons: Attach wellbore s interpretation of the Workover Pit Constructes closing the pit acc	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / W	npletion g criteria, the dures dated Vorkover Pit Closure
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluit	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office. 2, 2004 on file at the NM ot/flare pit may be the onl ds, and that portion will formation above is true ar	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. y pit that will be required. Unde be lined, as per the risk ranking of	ails, and give pertiner ons: Attach wellbore sistematics interpretation of the Workover Pit Constructes closing the pit acc or this circumstance, a criteria.	Ecosphere's risk rankin action / Operation Procesording to the Drilling / We portion of this vent/flare	g criteria, the dures dated Vorkover Pit Closure e pit will be
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluit	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office. 2, 2004 on file at the NM ot/flare pit may be the onl ds, and that portion will formation above is true ar	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. y pit that will be required. Unde	ails, and give pertiner ons: Attach wellbore sistematics interpretation of the Workover Pit Constructes closing the pit acc or this circumstance, a criteria.	Ecosphere's risk rankin action / Operation Procesording to the Drilling / We portion of this vent/flare	g criteria, the dures dated Vorkover Pit Closure e pit will be
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluit	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office. 2, 2004 on file at the NM ot/flare pit may be the onl ds, and that portion will formation above is true ar	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. y pit that will be required. Unde be lined, as per the risk ranking of	ails, and give pertiner ons: Attach wellbore sistematics interpretation of the Workover Pit Constructes closing the pit acc or this circumstance, a criteria.	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / We portion of this vent/flare further certify that any pit or hed) alternative OCD-approve	g criteria, the dures dated Vorkover Pit Closure e pit will be
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluid I hereby certify that the infigrade tank has been/will be con	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office. 2, 2004 on file at the NM ot/flare pit may be the onl ds, and that portion will formation above is true ar	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. The pit that will be required. Under the belined, as per the risk ranking of the NMOCD guidelines, a general pit of NMOCD guidelines, a general pit of the pit of t	ails, and give pertiner ons: Attach wellbore is interpretation of the Workover Pit Constructes closing the pit according the circumstance, a criteria.	e Ecosphere's risk rankin action / Operation Procesording to the Drilling / We portion of this vent/flare further certify that any pit or hed) alternative OCD-approve	g criteria, the dures dated Vorkover Pit Closure e pit will be
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluid I hereby certify that the infigrade tank has been/will be con SIGNATURE	roposes to construct a ner lunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NM t/flare pit may be the onl ds, and that portion will formation above is true are structed or closed according to the contract of the	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. y pit that will be required. Unde be lined, as per the risk ranking of NMOCD guidelines, a general p	ails, and give pertiner ons: Attach wellbore ons: Attach wellbore of the Workover Pit Constructes closing the pit according to the pit accord	Ecosphere's risk rankin action / Operation Processording to the Drilling / Was portion of this vent/flare further certify that any pit or hed) alternative OCD-approvallyst DAT Telephone No.	g criteria, the dures dated Vorkover Pit Closure e pit will be r below-red plan TE
13. Describe propose of starting any proor recompletion. New Drill, Lined: Burlington Resources p workover pit will be an November 11, 2004 on Procedure dated August On this workover, a ver designed to manage fluid I hereby certify that the infigrade tank has been/will be con SIGNATURE Type or print name	roposes to construct a nelunlined pit as detailed in file at the NMOCD office 2, 2004 on file at the NM t/flare pit may be the onless, and that portion will formation above is true are structed or closed according to Joni Clark	w drill pit. Based on Burlington Burlington's Revised Drilling / e. Burlington Resources anticipa MOCD office. y pit that will be required. Unde be lined, as per the risk ranking of NMOCD guidelines, a general p	ails, and give pertiner ons: Attach wellbore ons: Attach wellbore of the Workover Pit Constructes closing the pit according the circumstance, a criteria. The well and belief. I bermit X or an (attack Regulatory An Regulatory	Ecosphere's risk rankin action / Operation Processording to the Drilling / Was portion of this vent/flare further certify that any pit or hed) alternative OCD-approvallyst DAT Telephone No.	g criteria, the dures dated Vorkover Pit Closure e pit will be Toblow-red plan E

MININES OF CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

WOTE, VECTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

WOTE, VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.



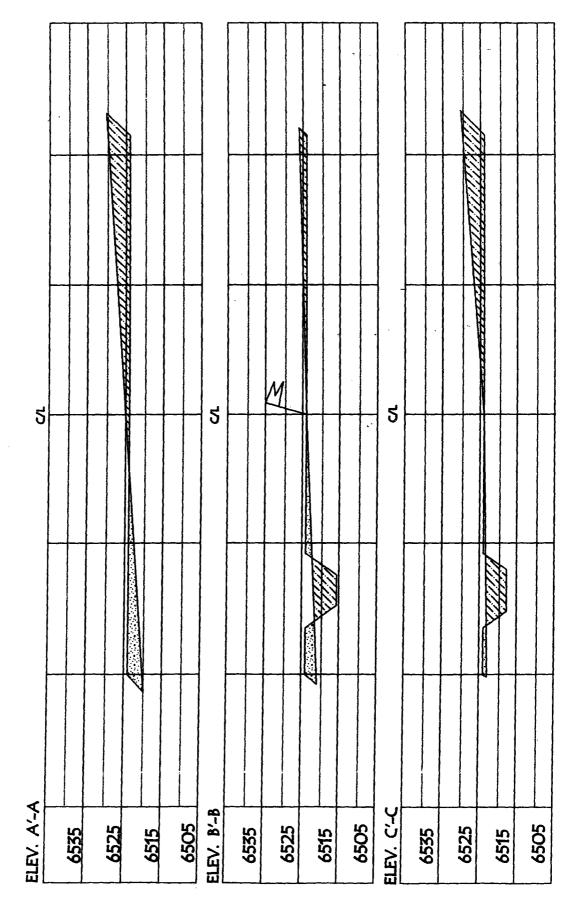
BLOW PIT: OVERTOW PIPE 4' ABOVE BOTTOM OF BLOW PIT.

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

LONGITUDE: 107 49.0156 W NAD27

LATITUDE: 36" 31,2364"N

BURLINGTON RESOURCES OIL & GAS COMPANY LP HUERFAND UNIT 140F, 1410' FNL & 895' FWL SECTION 5, T-26- N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6524', DATE: MAY 1, 2006



CONTRACTOR SHOVID CALL ONE-CALL FOR LOCATION OF ANY MARKED OR VINMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

OPERATIONS PLAN

Well Name: Huerfano Unit #140F

Location: 1410'FNL, 895' FWL, Section 5, T-26-N, R-9-W

San Juan County, New Mexico

Latitude 36° 31.2364, Longitude 107° 49.0156

Formation: Basin Dakota

Elevation: 6524'GL

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1329'	
Ojo Alamo	1329'	1528'	aquifer
Kirtland	1528'	2037'	gas
Fruitland	2037'	2274'	
Pictured Cliffs	2274'	2437'	gas
Lewis	2437'	2704'	gas
Huerfanito Bentonite	2704′	3139′	gas
Chacra	3139'	3817'	gas
Cliff House	3817'	3921'	
Menefee	3921'	4677'	gas
Point Lookout	4677'	4976′	gas
Mancos	4976′	57 48′	gas
Gallup	5748′	6593′	gas
Greenhorn	6593'	6646'	gas
Graneros	6646'	6673 '	gas
Two Wells	6673 <i>'</i>	6769 <i>'</i>	
Paguate	6769 <i>'</i>	6824'	
Cubero	6824′	6831′	
Encinal	6831'	6874′	
Morrison	6874′		gas
TD	6861'		_

Logging Program:

Mud Logs/Coring/DST -

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray - surface to TD

Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 320'	Spud MUD /Air/Air Mist		40-50	no control
300- 6861'	LSND	8.4-9.0	30-60	no control

Casing Program (as listed, the equivalent, or better):

Hole Size	Depth Interval	Csg.Size Wt.	Grade
12 1/4"	0' - 320'	8 5/8" 24#	J-55
7 7/8"	0' - 6861'	4 1/2" 10.5#	J-55

Tubing Program: 0' - 6861' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, BOPE and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, BOPE and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, BOPE, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

 $8 \ 5/8$ " x 4 ½" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing conventionally drilled -

Cement with 321 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride. (200% excess, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

4 1/2" Production Casing Two Stage -

Stage collar set @ 4527'. First Stage: Lead with w/257 sacks Premium Lite HS FM cmt w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. Second Stage: 489 sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. (2315 cu ft - 50% excess, circulate to surface, run CBL/temperature survey if cement is not circulated to surface.)

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 1528'. Two turbolating centralizers at the base of the Ojo Alamo 1528'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while air/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi Pictured Cliffs 600 psi Mesa Verde 700 psi Dakota 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The west half of Section 5 is dedicated to the Dakota formation.
- This gas is dedicated.



BURLINGTON RESOURCES

Burlington Resources

2000 pel System

NOOM CON

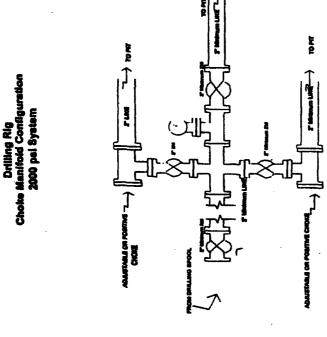
E FILLUF LINE

ROTATING MEADS

Oriting Rig

CompletionWorkover Rig BOP Configuration 2,000 psi System

BURLINGTON RESOURCES



Ä

Choke menitoid installation from Burface Casing Peint to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Figure #1

Ξ.

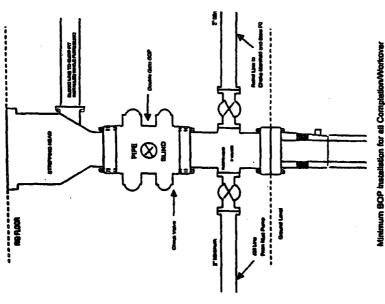
pressure double gats BOP to be equipped with bilind and tipe rama. A stripping head to be installed on the top of

preseure or greater excluding 600 pel stripping head.

Figure #2

the BOP. At BOP equipment is 2000 pel working

Operations. 7-1/16" bore, 2000 pel minimum working



4-20-01