UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work	(105. Lease Number) 3 U.O
	DRILL	NMSF-047020-B
	E 6 7°	Unit Reporting Number
b.	Type of Well	6. If Indian, All. or Tribe
IJ.	GAS (14)	o. Il indian, All. of Tribe
	DOU 21	200
2.	Operator Operator	Unit Agreement Name
	BURLINGTON	
	RESOURCES Oil & Gas Company	
).	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 874992777	Calvin
		9. Well Number
	(505) 326-9700	#1F
l.	Location of Well	10. Field, Pool, Wildcat
	1635' FSL, 2125' FEL	Basin Dakota
		11 <u>. Se</u> c., Twn, Rge, Mer. (NMPM)
	Latitude 36° 41.6586'N, Longitude 107° 57	.5216'W J Sec. 26, T29N, R11W
		API # 30-045- 33093
14.	Distance in Miles from Nearest Town	12. County 13. State
17.	4.0 miles to intersection Hwy 64 & 550	San Juan NM
15.	Distance from Proposed Location to Nearest Property or L	agea Lina
13.	1635'	lease Line
16.	Acres in Lease	17. Acres Assigned to Well
		SESW, SE, NWSW, SWSW, 320 acres
18.	Distance from Proposed Location to Nearest Well, Drig, Co	
19.	Proposed Depth	20. Rotary or Cable Tools
	6549'	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
21.	Elevations (DF, FT, GR, Etc.) 5567 ' GR	22. Approx. Date Work will Start
	5567' GR	22. Approx. Date Work will Start
	Proposed Casing and Cementing Program	22. Approx. Date Work will Start
	5567' GR	22. Approx. Date Work will Start
21.	Proposed Casing and Cementing Program	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached Authorized by:	1/5/05
23.	Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start \[\left(\frac{15}{05} \right) \] Date
23.	Proposed Casing and Cementing Program See Operations Plan attached Authorized by:	1/5/05
23. 24.	Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Specialist	
23. 24. PERN	Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Specialist APPRO	VAL BATE
23. 24. PERM	Proposed Casing and Cementing Program See Operations Plan attached Authorized by: Regulatory Specialist	

Threatened and Endangered Species Report attached NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.



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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised June 10, 2003

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

1000 Rio Brazos Rd., Aztec, N.M. 87410

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

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT IV

DISTRICT III

1220 South St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

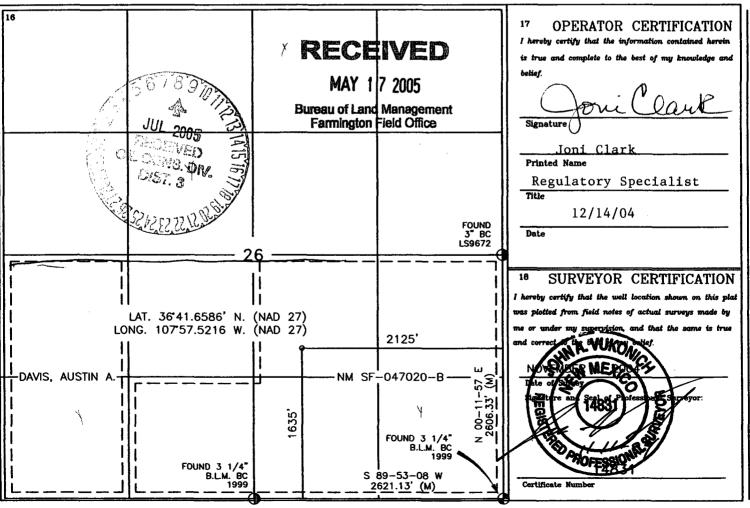
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		*Pool Code	*Pool Code *Pool Name	
30045-	53043	71599	Basin Dakota	
⁴ Property Code			Property Name	⁶ Well Number
6883			CALVIN	
OGRID No.			Operator Name	⁶ Elevation
14538		BURLINGTON RESOU	GTON RESOURCES OIL & GAS COMPANY LP	
		¹⁰ St	urface Location	
or lot no. Section	Township	Range Lot Idn Feet f	rom the North/South line Feet from the	East /West line Cou

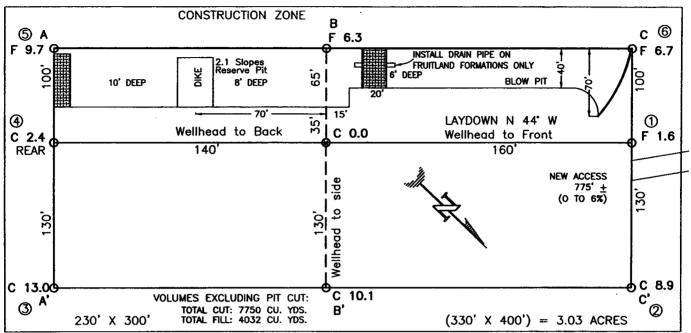
26 29-N 1635 SOUTH 2125 11-W **EAST** SAN JUAN ¹¹ Bottom Hole Location If Different From Surface

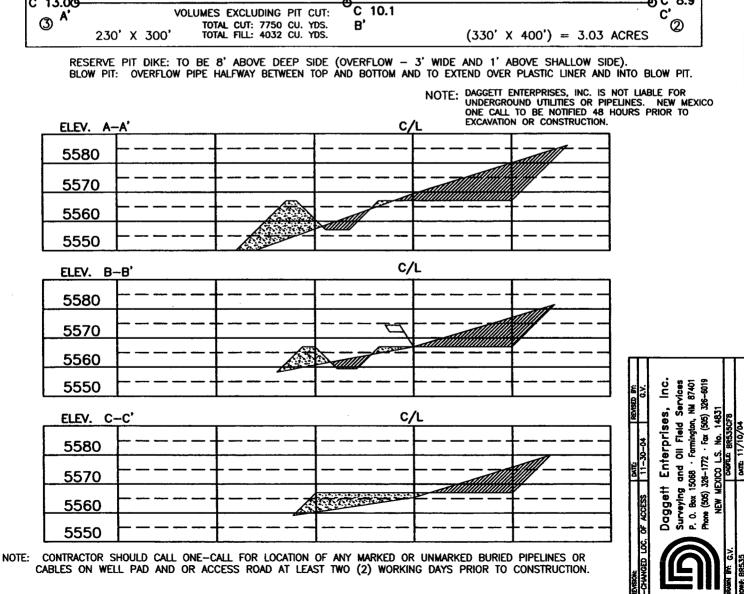
UL or lot no. Section Township Lot Idn Feet from the North/South line East/West line Range County 12 Dedicated Acres Joint or Infill 4 Consolidation Code 16 Order No. 320 acres

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



BURLINGTON RESOURCES OIL & GAS COMPANY LP CALVIN NO. 1F, 1635 FSL 2125 FEL SECTION 26, T-29-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5567, DATE: NOVEMBER 02, 2004





OPERATIONS PLAN

Well Name:

CALVIN 1F

Location:

1635' FSL & 2125' FEL, Section 26 T29N R11W

San Juan County, New Mexico

Formation:

Basin Dakota

Elevation:

5567' GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	506'	
Ojo Alamo	506'	689'	aquifer
Kirtland	689'	1576'	gas
Fruitland Coal	1576'	1754'	gas
Pictured Cliffs	1754'	1914'	gas
Lewis	1914'	2206'	
Huerfanito Bentonite	2206'		
Chacra	2731'	3304'	gas
Massive Cliff House	3304'	3399'	gas
Menefee	3399'	4046'	gas
Intermediate 7"	3549'		
Massive Point Lookout	4046'	4429'	gas
Mancos Shale	4429'	5304'	
Upper Gallup	5304'	6057'	gas
Greenhorn	6057'	6119'	gas
Graneros	6119'	6155'	gas
Two Wells	6155'	6234'	gas
Paguate	6234'	6295'	gas
Cubero	6295'	6361'	gas
Encinal	6361'	6417'	gas
Burro Canyon	6417'	6509'	gas
Morrison	6509'	6397'	gas
Topset TD:	6397'	6549'	gas
Total Depth:	6549'		gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - From 5857' to 6549'

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CBL - surface to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0 40 - 50	no control
120 - 3549'	LSND	8.4 - 9.0 30 - 60	no control
3549 - 6549'	Air/Air Mist/Nitrogen	n/a n/a	no control

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

<u> Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3549'	7"	20/23#	J-55
6 1/4"	0' - 6397'	4 1/2"	10.5#	J-55
3 7/8"	6397' - 6549'	onen hole		

Tubing Program:

Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 6549'	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, rams 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, rams 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, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" 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:

9 5/8" surface casing -

Pre-Set Drilled - Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled - Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under 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. Test casing to 600 psi for 30 minutes.

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

7" intermediate casing -

Lead with 317 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (800 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/182 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 135 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (800 cu ft - 50% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every third joint off bottom, to the base of the Ojo Alamo @ 689'. Two turbolating centralizers at the base of the Ojo Alamo 689'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Cement w/199 sxs Premium Lite HS w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss (393 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 7" annulus). WOC a minimum of 18 hrs prior to completing.

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	2000 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 SESW, SE, NWSW, SWSW of Section 26 is dedicated to the Dakota formation.
- This gas is dedicated.

1-5.05

BURLINGTON RESOURCES

BURLINGTON RE

Drilling Rig Choke Menifold Configuration 2000 pel System

Burlington Resources

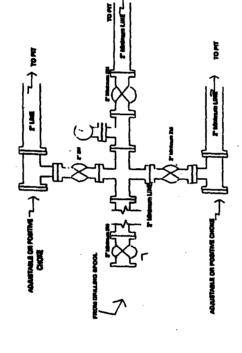
Oriting Rig 2000 pel System

ROTATING HEAD.

THE LIME

ALCOOM CARGOS

DOUBLE GATE



Choire menifold fresislation from Burtace Cesting Point to Total Depth. 2,000psi working pressure equipment with two chokes.

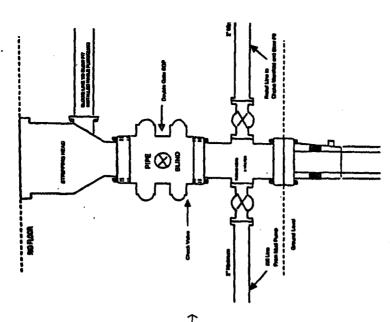
Figure #3

4-20-01

Figure #1

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 pel System



Minhuum BOP treasitation for all Completion/Mortabler Operations. 7-1/16" bore, 2000 pel minimum working pressure double gate BOP to be equipped with tilind and pipe rame. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 pel working pressure or greater excluding 600 pel stripping head.

Figure #2

4-20-01