UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Detail Section Number Type of Well GAS Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 Location of Well 1757' FNL, 990' FEL Blanco My/Basin DK 11. Sec. Twn, Rge, Mer. (MMPM) Latitude 36° 58.92', Longitude 107° 32.92' Location of Will 12. County 13. State San Juan NM Distance in Miles from Nearest Town Distance from Proposed Location to Nearest Property or Lease Line 990' Acres in Lease 17. Acres Assigned to Well 31.3 Sec. The Acres		Topo of More	5. Lease Number
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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, NM 88240 District II 1301 W. Grand Ave., 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 Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-102 **Permit 10643**

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-11433	Pool Name BASIN DAKOTA (PRORATED GAS)	Pool Code 71599
Property Code 6784	Property Name ALLISON UNIT	Well No.
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS CO	Elevation 6676

Surface And Bottom Hole Location

UL or Lot H	Section 15	Township 32N	Range 07W	Lot Idn	Feet From 1757	N/S Line N	Feet From 990	E/W Line E	County San Juan
Dedica	ated Acres	Joint or	·Infill	Consoli	dation Code		Order	No.	

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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signed By: + Auces Den

Title: Regulatory Specialist

Date: May 3, 2005

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.

Surveyed By: C O Walker Date of Survey: 03/17/1955 Certificate Number: 1007

070 FARMINGTON

OPERATIONS PLAN FOR ALLISON UNIT #8

Well:

Allison Unit #8

Location:

T-32-N, R-7-W, Sect. 15, Unit H; 1757' FNL, 990' FEL

San Juan County, NM

Latitude 36^o 58.92' Longitude 107^o 32.92'

Formation:

Blanco Mesaverde and Basin Dakota

Formation Tops:	Top	Bottom	Contents
Surface	San Jose		
Ojo Alamo	2404'	2502'	aquifer
Kirtland	2502'	3200'	gas
Fruitland	3200'	3510'	gas
Pictured Cliffs	3510'	3729'	gas
Lewis	3729'	4378'	gas
Huerfanito Bentonite	4378'	4828'	gas
Chacra:	4828'	5610'	gas
Massive Cliff House	5610'	5662'	gas
Menefee	5662'	5854'	gas
Massive Point Lookout	5854'	6294'	gas
Mancos	6294'	7215'	gas
Gallup	7215'	7940'	gas
Greenhorn	7940'	7990'	gas
Graneros	7990'	8104'	gas
Two Wells	8104'		gas
Total Depth	8300'		

Logging program:

Cased hole - CBL-CCL-GR - TD to 6850'

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
6200' – 8300'	Air/Nitrogen	n/a	n/a	n/a

Casing Program:

<u>Hole Size</u>	Depth Interval	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
3-7/8"	~6100' – 8300'	3-1/2" Flush	9.3#/'	L-80
Tubing Prog		<u>Tbg.Size</u>	<u>Wt.</u>	<u>Grade</u>
0' – total de		2-1/16"	3.25#	J-55

Operations:

It is intended to deepen the subject well to the Dakota formation by the following procedure:

- 1. MIRU completion rig. TOOH with tubing.
- 2. Set retrievable bridge plug at +/- 4494'.
- 3. Pressure test casing to 1000 psi for 15 minutes. TOOH with bridge plug.
- 4. Lay in acid soluble cement across entire Mesaverde interval. WOC.
- 5. Drill out cement. Test casing to 500 psi for 15 minutes. Repeat cement work until pressure test holds.
- 6. Drill out shoe. Drill Dakota formation to approximately 8300' with mud logger to call final total depth. TOOH.
- 7. TIH with 3-1/2" flush joint pipe and set at total depth.
- 8. Cement with 30 sxs of type III cement (1.39 yield, 14.5 ppg). WOC. Run CBL. TOC @ 6904'.
- 9. Perforate and fracture stimulate the Dakota formation. Flow back Dakota.
- 10. Set composite plug 50' above top Dakota perforation.
- 11. Chemical cut 3-1/2" casing at +/- 6100'.
- 12. Acidize Mesaverde interval to restore production.

Operations Plan – Allison Unit #8

Page Two

- 13. Drill out composite plug above the Dakota. Clean out to PBTD.
- 14. Land 2-1/16" IJ tubing.
- 15. RDMO rig. Return well to production as a commingled MV/DK producer.

BOP Specifications, Wellhead and Tests:

Surface to Total Depth:

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations:

7 1/16" 3000 psi double gate BOP stack (Reference Figure #4). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 3000 psi for 15 minutes.

Wellhead:

9 5/8" x 7" x 4 1/2" x 2 1/16" x 3000 psi tree assembly.

General Information:

- 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.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with hand wheels.

Cementing:

3-1/2" Production Liner

Cement to cover minimum of 1200' above the Dakota formation. Minimum TOC @ 6904'. 30 sxs type III cement (1.39 yield, 14.5 ppg). WOC a minimum of 18 hrs prior to completing.

Special Drilling Operations (Gas/Mist Drilling):

The following equipment will be operational while gas/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.
- 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.
- Deduster equipment will be utilized.
- 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 Mesaverde and/or Dakota formations will be completed and commingled if both formations are completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Dakota 2400 psi

Angela Ibara
Sr. Staff Engineer

4/25/05

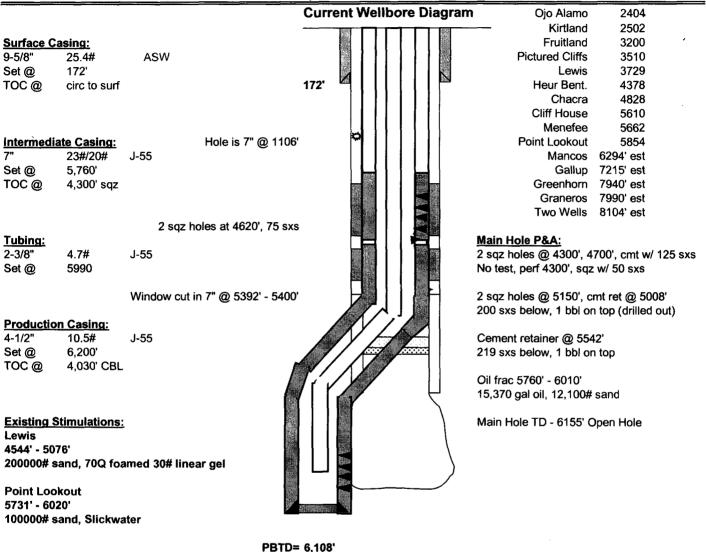
Date

Allison Unit #8

1757' FNL , 990' FEL Unit H, Section 15, T32N, R07W San Juan County, NM

LAT: 36 deg 58.92 min GL = 6,674' LONG: 107 deg 32.92 min

=	6,674'		KB=	6,682



LW: 4544', 47', 50', 53', 56', 61', 64', 67', 84', 87', 93', 96', 99', 4604', 06', 4872', 75', 78', 87', 90', 93', 95', 4901', 04', 07', 65', 68', 71', 74', 77', 5020', 23', 26', 33', 36', 39', 72', 74', 76

PLO: 5731', 34', 37', 42', 44', 94', 97', 5856', 60', 72', 76', 81', 84', 90', 94', 5900', 06', 12', 17', 22', 34', 54', 59', 75', 6009', 12', 20'

TD= 6,200'

Allison Unit #8

1757' FNL , 990' FEL it H, Section 15, T32N, R07

Unit H, Section 15, T32N, R07W San Juan County, NM

LAT: 36 deg 58.92 min

LONG: 107 deg 32.92 min

GL = 6.674 KB= 6.682' **Proposed Wellbore Diagram** 2404 Oio Alamo 2502 Kirtland Fruitland 3200 Surface Casing: 9-5/8" 25.4# **ASW** Pictured Cliffs 3510 172' Set @ Lewis 3729 172 TOC @ circ to surf Heur Bent. 4378 Chacra 4828 Cliff House 5610 Menefee 5662 Intermediate Casing: Hole is 7" @ 1106' Point Lookout 5854 23#/20# J-55 Mancos 6294' est Set @ 5.760 7215' est Gallup TOC@ 4,300' sqz Greenhorn 7940' est Graneros 7990' est Two Wells 8104' est 2 sqz holes at 4620', 75 sxs **Tubing:** Main Hole P&A: 2-1/16" 3.25# 2 sqz holes @ 4300', 4700', cmt w/ 125 sxs J-55 No test, perf 4300', sqz w/ 50 sxs Set @ TBD Window cut in 7" @ 5392' - 5400' 2 sqz holes @ 5150', cmt ret @ 5008' 200 sxs below, 1 bbl on top (drilled out) **Production Casing:** 4-1/2" 10.5# J-55 Cement retainer @ 5542' 6.200' Set @ 219 sxs below, 1 bbl on top TOC @ 4,030' CBL Oil frac 5760' - 6010' 15,370 gal oil, 12,100# sand **Existing Stimulations:** Main Hole TD - 6155' Open Hole Lewis 4544' - 5076' 200000# sand, 70Q foamed 30# linear gel **Point Lookout** 5731' - 6020' 100000# sand, Slickwater **Proposed Production Liner:** 3-1/2" ULT FJ 9.2# L-80 Set @ **TBD** TOC@ 6904 **Proposed Stimulation: Dakota TBD** 40000# TLC, Slickwater frac

> PBTD= 8228' est TD= 8300' est

BURLINGTON RESOURCES

BURLINGTON RESOUR

Completion/Workover Ri BOP Configuration 2,000 pai System

Chots Manifold Configuration 2000 pel System

Burlington Resources

2000 psi System Orilling Rig

ADD FLOOR

RESERVENCE HEAD.

TOTAL TOTAL

Ë

DOUBLE GATE

ttons. 7-1/16" born, 2000 pel mb sure double gate BOP to be equip e rams. A stripping head to be insi

Figure #3

4-20-01

Figure #1

4-20-01