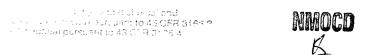
UNITED STATESPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work DRILL			
		2006 MAR 3 PM 2	ug nmsf-07	9520-A
		Lego Thin O Fire	Unit Reporting	Number 700050
_	Tune of Mall	RECEIVED		4 NMNM-0784/180
b.	Type of Well GAS	C70 FARMINGTO"	6. If Indian, All. or	rinbe
	GAB	01011000000000	•	
<u>.</u>	Operator	67345	7. Unit Agreemen	t Name
	BURLINGTON	A TOTAL OF THE PARTY OF THE PAR		
	RESOURCES Oil & Gas		(A)	
		MAY 2006		
3.	Address & Phone No. of Operate PO Box 4289, Farming		8. Farm or Lease San Jua	
	FO BOX 4207, FRIMING	150 ONLOG	9. Well Number	H 20-5 OHIC
	(505) 326-9700	Par Dist. 3	80N	
	·	<u> </u>	100	
ŀ.	Location of Well	CL & 1030/ EEL CORNER	10. Field, Pool, W	
:	Surf - Unit I (NESE), 1600' F	SL & 1030 FEL,	Basin DK / Bl	anco MV
st. Bot	ttomhole-Unit E (SENW), 2590′ F ວ່ານ ຄືນ	NL & 50' FWL,	∠11. Sec., Twn, Rg	a Mar (NMDM)
Surface	-Latitude 36° 37.7628'N; Longitu	ide 107° 20 4298′W	Surf. Sec. 27, Ta	
3H-Lati	tude 36° 37.9418′N; Longitude 1	107° 20.2086′W	∠ Est BH - Sec. 26.	T28N, R05W
	· · · · · · · · · · · · · · · · · · ·		API # 30-039-	19826
14.	Distance in Miles from Nearest	Town	12. County Rio Arriba	13. State
			RIO AFFIDA	NM
 15.	Distance from Proposed Locatio	n to Nearest Property or Lease	Line	
	50'	• •		
16.	Acres in Lease		17. Acres Assigne	
		•	MV/DK 320.0 a	cres N/2
18.	Distance from Proposed Locatio	n to Nearest Well. Drlg. Compl	or Applied for on this L	ease
	52' SJ 28-5 Unit #44M		, opp	
19.	Proposed Depth		20. Rotary or Cab	ole Tools
	8072' TVD		Rotary	
 21.	Florestians (DE ET CR Esc.)		20 A	144-4
21.	Elevations (DF, FT, GR, Etc.) 6734' GL		22. Approx. Date	Work will Start
23.	Proposed Casing and Cementing	Program		
	See Operations Plan	attached		
	. ()	$\Omega 1 = 1$	~ /	/-
24	Authorized by	1 high	9/3	3/06
24.	Authorized by: Talky	tory Specialist	Date	-
	DI. Regula	cory specialist	Date	
				
PERMIT	TNO.	APPROVAL	. DATE	
4 DDDO	VED BY ADMAN II a	The same of the sa	//	- 5/1/56
4PPKO	VED BY SHIP WHER	TITLE HEN	/ DAT	IE -11,100
Archae	ological Report attached			
	ened and Endangered Species Rep	oort attached	LD CTUA FOR div	ectional SUIV



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

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

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

DISTRICT IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

2005 MAR 3 PM 2 43

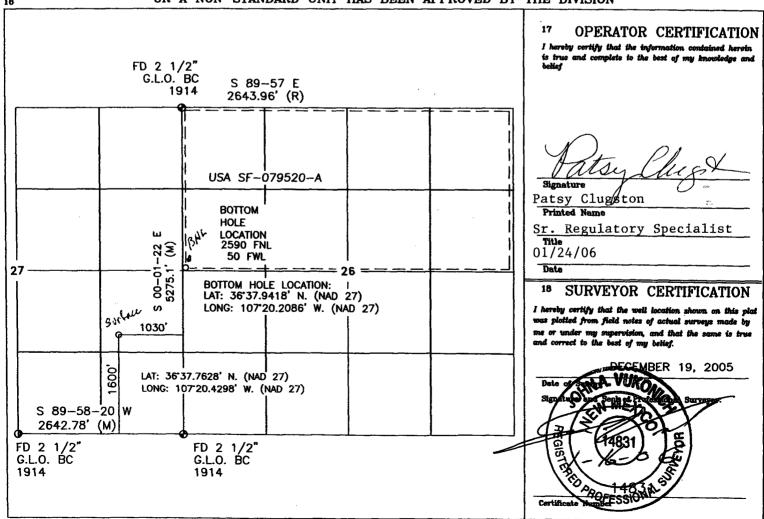
Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

1220 South St. Francis Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT FARMINGTON Name
Blanco Mesaverde / Basin Dakota 1 API Number *Pool Code 72319 / 71599 30-039-Well Number Property Code ⁶Property Name 7460 SAN JUAN 28-5 UNIT 80N OGRID No. Operator Name • Elevation BURLINGTON RESOURCES OIL AND GAS COMPANY LP 14538 6734' ¹⁰ Surface Location Feet from the North/South line UL or lot no. Section Township Lot Idn Feet from the East/West line Range County 28-N 1600 SOUTH **EAST** ł 27 5-W 1030 RIO ARRIBA 11 Bottom Hole Location If Different From Surface

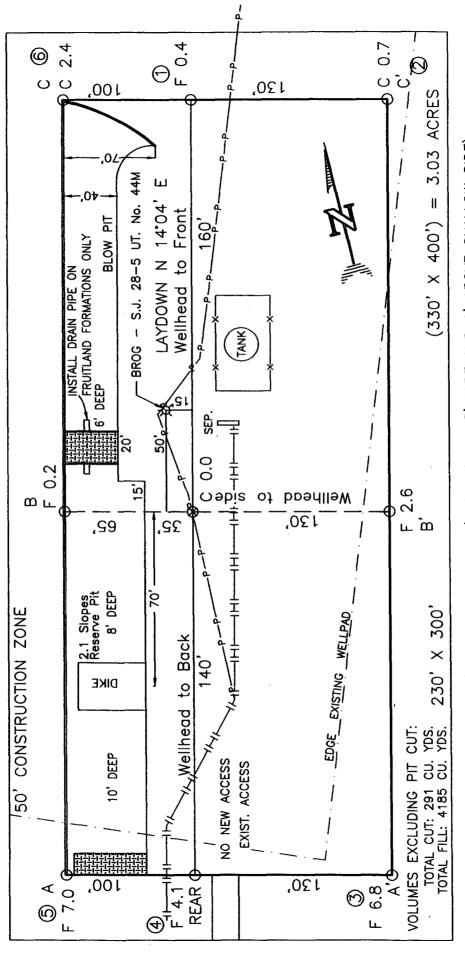
Lot Idn Feet from the North/South line Peet from the UL or lot no. Section East/West line Township Range County 28-N 2590' E 26 5-W **NORTH** 50' WEST RIO ARRIBA B Joint or Infill 14 Consolidation Code Dedicated Acres 15 Order No. MV/DB 320 ac N2

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



Office		Form C-103
District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
District II	OIL CONSERVATION DIVISION	30-039- 24024
1301 W. Grand Ave., Artesia, NM 88210 District III		5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	6. State Oil & Gas Lease No.
District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		Federal Lease - SF-079520-A
	S AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO		
DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT" (FORM C-101) FOR SUCH	San Juan 28-5 Unit
PROPOSALS.)		0 W.11 N
1. Type of Well: Oil Well Gas Well X	Other	8. Well Number 80N
2. Name of Operator	Other	9. OGRID Number
· ·	RCES OIL & GAS COMPANY LP	14538
3. Address of Operator		10. Pool name or Wildcat
	ET, FARMINGTON, NM 87402	Basin DK / Blanco MV
4. Well Location		
Unit Letter I : 160		1030' feet from the <u>East</u> line
Section 27	Township 28N Rng 5W Revation (Show whether DR, RKB, RT, GR, etc.)	NMPM County Rio Arriba
11. E	6734' GL	
Pit or Below-grade Tank Application	or Closure	>200'
Pit type New Drill Depth to Groundwat	er <50' Distance from nearest fresh water well	>1000' Distance from nearest surface water \$1000'
	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	ppropriate Box to Indicate Nature of Not	ice, Report or Other Data
NOTICE OF INT	TENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIA	L WORK ALTERING CASING
		CE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/C	EMENT JOB
		_
OTHER: New D	rill X OTHER:	
		rive pertinent dates, including estimated date
13. Describe proposed or completed	operations. (Clearly state all pertinent details, and a	
13. Describe proposed or completed		
13. Describe proposed or completed of starting any proposed work).	operations. (Clearly state all pertinent details, and a	
13. Describe proposed or completed of starting any proposed work).	operations. (Clearly state all pertinent details, and a	
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Describe proposed or completed of starting any proposed work). or recompletion. New Drill, Lined: Burlington Resources proposes to constant of the proposes are constant.	operations. (Clearly state all pertinent details, and a SEE RULE 1103. For Multiple Completions: Attack	th wellbore diagram of proposed completion pit. Based on Burlington's interpretation of the
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BURLINGTON RESOURCES OIL & GAS COMPANY LP LONGITUDE: 107°20.4298' W (NAD 27) SECTION 27, T-28-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO SAN JUAN 28-5 UNIT No. 80N, 1600 FSL 1030 FEL GROUND ELEVATION: 6734, DATE:DECEMBER 19, 2005 LATITUDE: 36°37.7628' N (NAD 27)



BLOW PIT. TO EXTEND OVER PLASTIC LINER AND INTO WIDE AND 1' ABOVE SHALLOW SIDE) 'n AND BOTTOM AND (OVERFLOW IT DIKE: TO BE 8' ABOVE DEEP SIDE OVERFLOW PIPE HALFWAY BETWEEN TOP RESERVE PIT DIKE: BLOW PIT: OVERFLOV

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. NOTE:

CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE:

RESTAKE LOCKTION 01/13/06 B. LEIDY
Daggett Enterprises, Inc.
Surveying and Oil Field Services
P. O. Box 1508 · Familiation, NM 87401
Phane (505) 226-1772 · Fax (505) 326-6019
NEW MEXICO L.S. 14831
DEATH BY A.G.
T. O. M. EMENTIPLE

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-5 UNIT No. 80N, 1600 FSL 1030 FEL

SECTION 27, T-28-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO

GROUND ELEVATION: 6734, DATE:DECEMBER 19, 2005 LATITUDE: 36°37.7628' N (NAD 27) LONGITUDE: 107°20.4298' W (NAD 27)

				1
C/L				
				
ELEV. A-A'	6740	6730	6720	6710

C/L					
В,					
ELEV. B~B'	6740	6730	Τ	6720	6710

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ELEV. C-C'	6740		6730	6720		6710

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.
Ż

CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE:

RESTAKE LOCATION 101/13/06 BLEDDY Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15088 · Farmington, NW 87401 Phone (505) 226-1772 · Fax (505) 328-6019 NEW MEXICO L.S. 14831

SAN JUAN 28-5 UNIT #80N OPERATIONS PLAN

Well Name:

San Juan 28-5 Unit #80N

Location

Rio Arriba County, New Mexico

Surface:

1600' FSL, 1030' FEL, Section 27, T-28-N, R-5-W

Latitude 36° 37.7628'N, Longitude 107° 20.4298'W

Bottom Hole:

2590' FNL, 50' FWL, Section 26, T-28-N, R-5-W

Latitude 36° 37.9416'N, Longitude 107° 20.2086'W

Formation

Blanco Mesa Verde/Basin Dakota

Elevation

6734' GL

Formation Tops	Top (TVD)	Top (TMD)	Contents
Surface	San Jose		
Ojo Alamo	2973'	3148'	aquifer
Kirtland	3128'	3316'	gas
Fruitland	3368'	3575'	gas
Pictured Cliffs	3605'	3831'	gas
Lewis	3813'	4055'	gas
Huerfanito Bentonite	4218'	4492'	gas
Chacra	4578'	4863'	gas
Intermediate set point	: 150' into Chacra		
Upper Cliffhouse	5188'	5474'	gas
Massive Cliff House	5396'	5682'	gas
Menefee	5456'	5742'	gas
Massive Point Lookout	5770'	6056'	gas
Mancos	6278'	6564'	gas
Gallup	7016'	7302'	gas
Greenhorn	7713'	7999'	gas
Graneros	7780'	8066'	gas
Two Wells	7832'	8118'	gas
Upper Cubero	7923'	8209'	gas
Lower Cubero	7976'	8262'	gas
Oak Canyon	8032'	8318'	
Encinal	8051'	8337	
TD	8072'	8358	

Logging Program

Cased Hole - CBL-GR- TD to surface

Open Hole - None

Mud Program

Interval (TMD)	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 350'	Spud	8.4-9.0	40-50	no control
350- 5014'	Non-dispersed	8.4-9.0	30-60	less than 8
5014'- 8358'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Drilling (Reference Plot #1)

Drill to surface casing point of 350' and set 9 5/8" casing.

Intermediate Hole

Mud drill to kick off point of 400'. At this point the well will be directionally drilled by building 4.0 degrees per 100' with an azimuth of 44.63 degrees. The end of the build will be at a TVD of 940', a TMD of 953', a reach of 106', and an angle of 22.13 degrees. This angle and azimuth will be held to a TVD of 4188', a TMD of 4460', and a reach of 1427'. At this point the well will be drilled with a drop of 4.0 degrees per 100'. The end of the drop will be at a TVD of 4728', a TMD of 5014'. a reach of 1532', and an angle of 0.0 degrees. 7" casing will be set at this point.

Production Hole

From the shoe of the intermediate string, the well will be drilled vertically with an air hammer to a TMD of 8358' (TVD of 8072'). 4 1/2" casing will be set at this point.

Materials

Casing program

Hole Size	Interval (TMD)	Csg. Size	Weight	<u>Grade</u>
12 1/4"	0' - 350'	9 5/8"	32.3#	H-40
8 3/4"	350' - 5014'	7"	23#	L-80
6 1/4"	5014' - 8358'	4 ½"	11.6#	L-80

Tubing Program

<u>Hole Size</u>	<u>Interval</u> (TMD)	<u>Csg. Size</u>	<u>Weight</u>	<u>Grade</u>
2 3/8"	0' - 8358'	2 3/8"	4.7#	J-55

Wellhead Equipment

9 5/8" x 7" X 4 1/2" x 2 3/8" - 11" (2000 psi) wellhead assembly

Cementing:

9 5/8" surface casing conventionally drilled: 200% excess cement to bring cement to surface
Run 329 ft³ (257 sks) Type III cement with 3% CaCl₂ and 1/4 pps celloflake (1.28 sks/ ft³). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60° 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.

7" production casing: 50% excess cement to bring cement to surface Lead with 1006 ft³ (472 sks) Premium Lite w/ 3% CaCl₂, 0.25 pps Cello-Flake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS (2.13 sks/ft³). Tail with 124 ft³ (90 sks) Type III cmt. w/ 1% CaCl₂, 0.25 pps Cello-Flake and 0.2% FL-52 (1.38 sks/ft³). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4 ½" production casing: 30% excess cement to achieve 100' overlap with intermediate casing
Run 458 ft³ (231 sks) Premium Lite HS FM + 0.25pps Cello-Flake, 0.3% CD-32, 6.25pps LCM-1, 1% FL-52 (1.98 sks/ft³).

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

BOP and Tests:

Surface to production TD - 11", 2000 psi double gate BOP stack (Reference Figure #1).

Prior to drilling out surface casing, test rams and casing to 600 psi for 30 minutes.

Surface to Total Depth - choke manifold (Reference Figure #2).

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A Kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

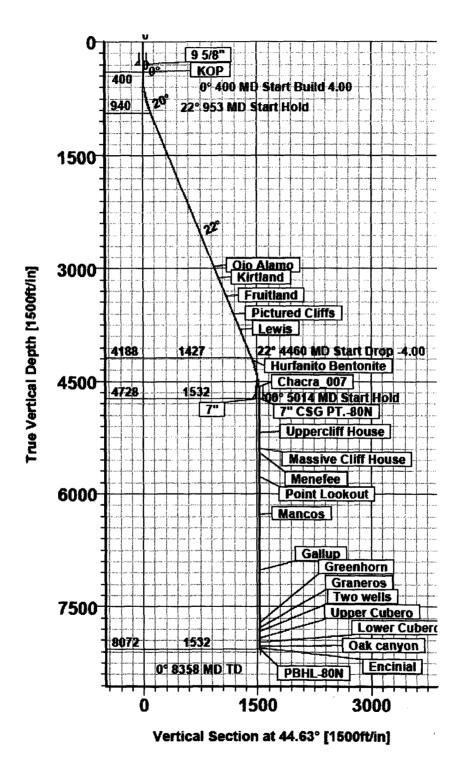
BOPE tests will be performed using an appropriately sized test plug and test pump and will be recorded using calibrated test gauges and a properly calibrated strip or chart recorder. The test will be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise noted in the APD. A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where the intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the duration of the test.

Additional Information:

- This gas is dedicated.
- The North half of section 26 is dedicated to the Mesaverde and Dakota of this well.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.
- BHP is expected to be 2000 psi.

Drilling Engineer

1/31/04



Plot 1: Directional plan for SJ 28-5 #80N



Field: Rio Arriba, NM Site: Sec 26 T28N R5W

Well: Unit 80N

Wellpath: OH Plan: Plan #2

BURLINGTON PRESCURCES

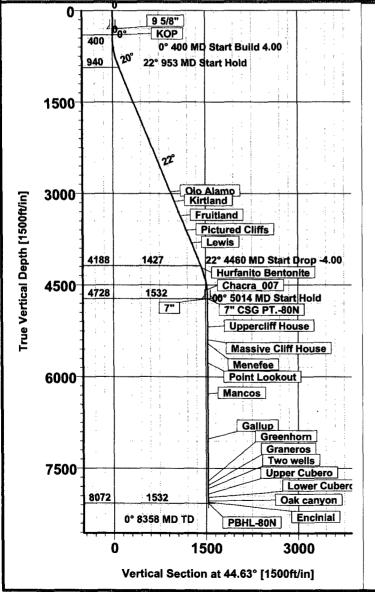
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	
3	953.20	22.13	44.63	939.55	75.09	74.11	4.00	0.00	105.50	
4	4460.43	22.13	44.63	4188.45	1015.32	1002.15	0.00	0.00	1426.60	
5	5013.63	0.00	0.00	4728.00	1090.41	1076.26	4.00	180.00	1532.10	
6	8357.63	0.00	0.00	8072.00	1090.41	1076.26	0.00	0.00	1532.10	PBHL-80N

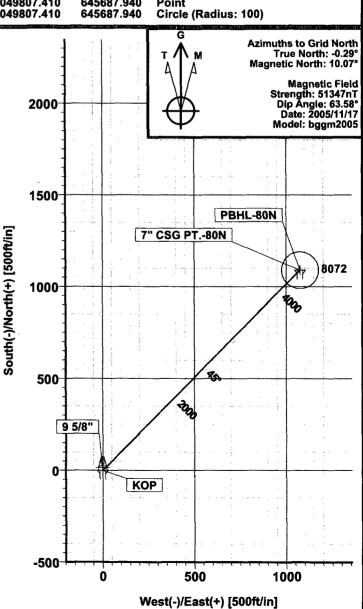
WELL DETAILS

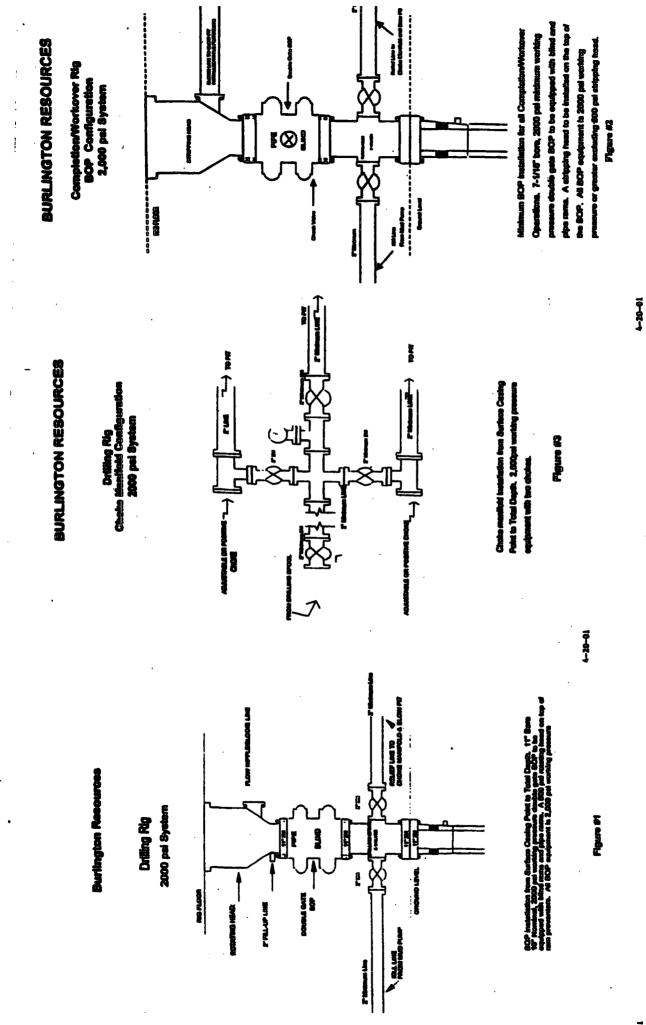
Name +N/-S +E/-W Northing Easting Latitude Longitude Slot
Unit 80N 992.47 -2029.49 2048717,000 644611.680 36°37'45.768N 107°20'25.789W N/A

TARGET DETAILS

+E/-W Name TVD +N/-S Northing Easting Shape 2049807.410 7" CSG PT.-80N 4728.00 1090.41 1076.26 645687.940 **Point** 2049807.410 PBHL-80N 1090.41 8072.00 1076.26







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