UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

		ICATION FOR PERMIT TO DRILL, DE			
1a.	Type of Work	2005 FEB 7 PM 5 12	5. Lease Number		
	DRILL	DECEIVED	Unit Reporting N	lumber	
		RECEIVED	ome (topo: mig it		
lb.	Type of Well GAS	070 FARMINGTON NM	6. If Indian, All. or 1	[ribe	
2.	Operator BURLING	TON	7. Unit Agreement	Name	
	RESOURC	ES Oil & Gas Company			
3.	Address & Phone N	lo. of Operator	8. Farm or Lease N	ame	
	PO Box 4289,	Farmington, NM(87499 🐧 🔧	Scott C		
1	(505) 326-97	00 (3) MAII 2005	9. Well Number		
4.	Location of Well		10. Field, Pool, Wil	dcat	
	660'FNL, 1345'	FEL CONTRACT	∰ Basin Dakota		
T m # 2	+ 260 EC 0006	IN Tongitude 1070 55 12041	11. Sec., Twn, Rge,		
Latı	tude 36° 56.8286	5'N, Longitude 107° 55.1364'W	Sec 31, T-32-N API# 30-045-32		
14.	Distance in Miles fr	om Nearest Town	12. County	13. State	
	15.8 Miles to	Aztec Post Office	San Juan	NM	
15.	Distance from Prop	osed Location to Nearest Property or Lea	se Line		
16.	Acres in Lease		17. Acres Assigned	17. Acres Assigned to Well	
			318.46-	E/2	
18.	Distance from Prop	osed Location to Nearest Well, Drlg, Com	pl, or Applied for on this L		
	367 ′	,	,p.,pp		
19.	Proposed Depth		20. Rotary or Cable	Tools	
	7557		Rotary		
21.	Elevations (DF, FT,	GR, Etc.)	22. Approx. Date V	Vork will Start	
	•	•			
23.	6070 GR	nd Cementing Program			
2 3.	See Operation	ons Plan attached			
	. 1	n			
0.4	<u>,</u>	The same of the sa	1	-05	
24.	Authorized by:	egulatory Specialist			
		specialist	, pate		
DEDA	AIT NO.	1C APPROVA	N DATE		
	······································	AFPROVA		TE 3 - 74-0	
	1 / / /	Manles COS TITLE At.			

Archaeological Report Attached

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.

This action is subject to technical and procedural review pursuant to 46 CFR 3165.3 and appeal pursuant to 30 FR 3165.4

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

DISTRICT 1 P.O. Box 1980, Hobbs, N.M. 88241-1980

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised June 10, 2003

Instructions on back Submit to Appropriate District Office

OIL CONSERVATION DIVISION

State Lease — 4 Copies Fee Lease — 3 Copies

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

LOT 15

LOT 18

LOT 19

LOT 17

1220 South St. Francis Dr. Santa Fe, NM 87504-2088

☐ AMENDED REPORT

	: .	. <u> </u>			N AND A	CREAC	E DEC)ICA	TION PL	AT		
'API 1 30-045	Number	889		² Pool Code 599		Basin	Dakota		³ Pool Name			
3474k					⁸ Property SCOTT	Name		·			• We	Il Number
⁷ OGRID No. 14538			BURLI	NGTON RE	Operator ESOURCES O		S COMPA	NY L	Ρ			Elevation 6070'
					10 Surface	e Loca	tion			1		
L or lot no. B	Section 31	Township 32-N	Range 10-W	Lot Idn 6	Feet from the 660	North/	South line RTH		from the	East/We EAS		County SAN JUA
			¹¹ Botte	om Hole	Location			rom	Surface			
L or lot no. B	Section	Township	Range	Lot Idn	Feet from the	North,	South line	Fee	t from the	East/We	st line	County
Dedicated Acres	2	13)	oint or Infill		¹⁴ Consolidation	Code		15 Or	der No.			•
NO ALLOW	ABLE V				S COMPLETUNIT HAS						EEN CO	ONSOLIDA
		LAT:	3 1/4" BC BLM 1969 36*56.8	2634 286' N. ('56'51" W 4.47' (M) 8 (NAD 27)		FD 3 1/4 BLM	1° BC 1969	I hereby certify	that the inf	ormation cont	RTIFICATI ained herein is wledge and belief
LOT 8		LON		11	(NAD 27) OT 6		1345' LOT 5	ш				
		· · · · · · · · · · · · · · · · · · ·	· ·					1.16" E				
								S 00 10 2608.72	Figure Signature	Sy	Oluz	st_
LOT 9		LOT	10		377777		LOT 12		Patsy Printed Nor			
	12	X	ļ.		€\ NMSF MAR 2005	[⊴] 978604 े}			Sr. R Title 11/4/		ory Sp	pecialis
	<u> </u>	NO		31 02			FD 3 1/	4" BC 1969	Date		0.050	TIFICATIO

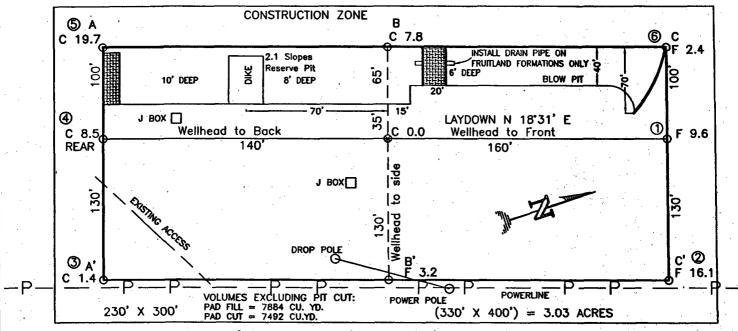
LOT 13

LOT 20

was plotted from field notes of actual surveys made by me AROFESSIO! Certificate Number

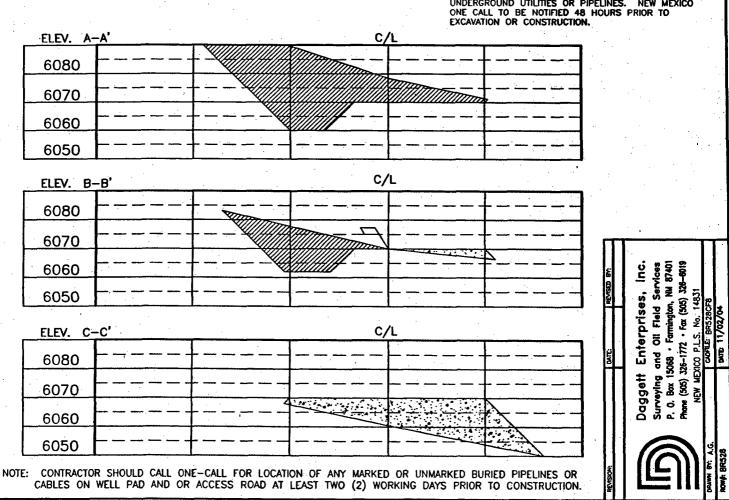
Office.	State of New Mexico	Form C-103
Office District I	Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	Difference and I valuar recoversor	WELL API NO.
District II		30-045-
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	1
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM 8750	5	Federal - SF-078213
	ES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS T	TO DRILL OR TO DEEPEN OR PLUG BACK TO A	// Zamas Timina of Children States
DIFFERENT RESERVOIR. USE "APPLICATIO	N FOR PERMIT" (FORM C-101) FOR SUCH	· Scott C
PROPOSALS.)		
1. Type of Well:	0.4	8. Well Number
Oil Well Gas Well X	Other	#1
2. Name of Operator	IDCESON & GAS COMPANIVI D	9. OGRID Number 14538
3. Address of Operator	URCES OIL & GAS COMPANY LP	10. Pool name or Wildcat
	EET, FARMINGTON, NM 87402	Basin Dakota
4. Well Location		
	feet from the <u>North</u> line and	1345 feet from the <u>East</u> line
Section 31	Township 32N Range 10	W NMPM County San Juan
	Elevation (Show whether DR, RKB, RT, GR, etc.)	Committee Commit
Pit or Below-grade Tank Application	6070' GL	
		>10001 Distance &
'' '		>1000' Distance from nearest surface water <1000'
Pit Liner Thickness: 12	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	appropriate Box to Indicate Nature of N	otice, Report or Other Data
NOTICE OF IN	TENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK		AL WORK ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS COMME	NCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING	/CEMENT JOB
OTHER: New D		
13. Describe proposed or complete	d operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
13. Describe proposed or complete of starting any proposed work).		give pertinent dates, including estimated date
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BURLINGTON RESOURCES OIL & GAS COMPANY LP SCOTT C No. 1, 660 FNL 1345 FEL SECTION 31, T-32-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6070, DATE: OCTOBER 5, 2004



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

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



OPERATIONS PLAN

Well Name:

Scott C #1

Location:

Unit B (NWNE/4), 660' FNL & 1345' FEL, Sec. 31, T32N, R10W

San Juan County, NM

Latitude 36° 56.8286' N Longitude 107° 55.1364' W

Formation:

Basin Dakota

Formation Tops:	Тор	Bottom	Contents
Surface	San Jose	1157'	
Ojo Alamo	1157'	1197'	aquifer
Kirtland	1197'	2622'	gas
Fruitland	2622'	2892'	gas
Pictured Cliffs	2892'	3060'	gas
Lewis	3060'	3572'	gas
Intermediate TD	3160'		_
Huerfanito Bentonite	3572'	4004'	gas
Chacra	4004'	4702'	gas
Massive Cliff House	4702'	4779'	gas
Menefee	4779'	5182'	gas
Pt Lookout	5182'	5492'	gas
Mancos	5492'	6479'	gas
Gallup	6479'	7326'	gas
Two Wells	7326'	7404'	gas
Paguate	7404'	7432'	gas
Upper Cubero	7432'	7497'	gas
Encinal	7497'		
TD	7557		

Logging program:

Cased hole - CBL-CCL-GR - TD to surface

Cores - none

Alternate Mud Program:

<u>Interval</u>	Type	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 120'	Spud Mud/Air/Air Mist	8.4-9.0	40-50	no control
120- Intermediate TD	LSND/Polymer/Starch	8.4-9.0	30-60	no control
Intermediate TD - TD	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>W†.</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3160'	7"	20.0#	J-55/N-80
6 1/4"	0' - 7557'	4 1/2"	10.5#	J-55/N-80
Tubing Progr	am:			
	7557'	2 3/8"	4.7#	J-55

BOP Specifications, Wellhead and Tests: for Dakota &/or Mesaverde/Dakota and/or Mesaverde Surface to Intermediate TD:

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, pems 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 #2).

Completion Operations:

7 1/16" 2000 psi double gate BOP stack (Reference Figure #3). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 1500 psi for 30 minutes.

Wellhead:

9 5/8" \times 7" \times 4 1/2" \times 2 3/8" \times 2000 psi tree assembly (9-5/8" \times 7" \times 2-3/8" \times 2000 psi tree for MV only).

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.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Page Three

Cementing:

9 5/8" surface casing pre-set drilled:

Cement with 24 sxs Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

9 5/8" surface casing conventionally drilled:

Cement with 88 sx (1.28 yield - 113 cf) 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.

7" intermediate casing:

Cement Lead with 272 sx (2.13 yield = 579 cf) 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 sx (1.38 yield = 124 cf) Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (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 - Cement with 13 sx (2.13 yield = 28 cf) Premium Lite w/3% CaCl, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS. Tail - cement with 90 sx (1.38 yield = 124 cf) Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: cement with 258 sx (2.13 yield = 550 cf) Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (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 other joint off bottom, to the base of the Ojo Alamo. Two turbolating centralizers at the base of the Ojo Alamo. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner/Casing:

Cement to cover minimum of 100' of 4 $1/2" \times 7"$ overlap. Cement with 303 sx (1.97 yield = 598 cf) Premium Lite H5 FM w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52 (30% excess to cement 4 $1/2" \times 7"$ overlap). WOC a minimum of 18 hrs prior to completing.

Cement float collar stacked on top of float shoe.

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 (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.
- 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.
- 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:

- This is a single completion Dakota well.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 700 psi

Pictured Cliffs 325 psi

Mesa Verde 1100 psi

Dakota 1900 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- This gas is dedicated.

Chrufummc Wy () Drilling Engineer

Date

Date

3000 psi System Drilling Rig

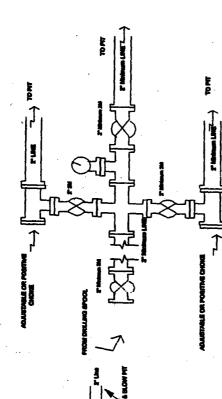
NO FLOOR

FPELLIP LINE

BURLINGTON RESOURCES







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4-20-01

Point to Total Depth. 3,000psi worlding pressure equipment with two chokes.

Figure #2

4-20-01

ssure double gate BOP to be equipped with bilind and se rams. A stripping head to be installed on the top of Operations. 7-1/16" bore, 3000 pai minimum worlding timum BOP installation for all Completion-Workow pressure or greater excluding 500 psi stripping head. the BOP. All BOP equipment is 3000 psi working