

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -



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

ADMINISTRATIVE APPLICATION CHECKLIST

THI	S CHECKLIST IS MA	NDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	
Applica	ation Acronyma	t de la construcción de la constru	
	[DHC-Down [PC-Poe	dard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] fied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]	
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication X NSL NSL NSP SD	
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM	
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR	
	[D]	Other: Specify	
[2]	NOTIFICATI [A]	ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	
	[B]	Offset Operators, Leaseholders or Surface Owner	
	[C]	Application is One Which Requires Published Legal Notice	
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office	
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,	
	[F]	Waivers are Attached	
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE TION INDICATED ABOVE.	

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by ap individual with managerial and/or supervisory capacity.

<u>REGULATORY</u> Supr. 2-25-02 Title Date <u>Definite</u> Date <u>plate</u> Date Algan Call OLE Print or Type Name



SAN JUAN DIVISION

Sent Federal Express February 25, 2002

Mr. Michael Stogner New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: East #7F 1510'FNL, 2100'FWL, Section 14, T-31-N, R-12-W, San Juan County API #30-045-30438

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Blanco Mesaverde pool for the subject well.

The East #7F was a pilot Basin Dakota infill well which was drilled and completed the summer of 2001. Order R-11532 dated February 6, 2001 allowed the drilling of the well at the non-standard location for the Basin Dakota. Burlington Resources plans to recomplete the well in the Blanco Mesaverde and downhole commingle both pools. An application for the downhole commingling is being submitted to the New Mexico Oil Conservation Division's Aztec District Office.

Production from the Mesaverde is included in a 282.06 acre gas spacing unit comprising of the west half (W/2) of Section 14 and is to be dedicated to the East #7 (30-045-10814) located at 790'FNL, 790'FWL in Section 14, and the East #1A (30-045-22269) located at 790'FSL, 790'FWL in Section 14. The East #1 Mesaverde well (30-045-10789) located at 990'FNL, 1650'FWL was plugged and abandoned November 5, 1998.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

C-102 plat showing location of the well Plat showing offset owners/operators Copy of Well Completion Log for original completion

Burlington Resources is the operator and working interest owner of the east half (E/2) of Section 14 Township 31N, Range 12W for the Blanco Mesaverde.

Please let me know if you have any questions concerning this application. I can be reached at 505-326-9727, or my email address is pcole@br-inc.com.

Sincerely yours,

Peggy Cole Regulatory Supervisor

Xc: NMOCD – Aztec District Office Bureau of Land Management - Farmington STRICT | .O. Box 1960, Hobbs, N.M. 88241-1980

DISTRICT II P.O. Drawer DD, Artesia, N.M. B8211-0719

DISTRICT IN 1000 Rio Brozos Rd., Aztec, N.M. 87410

DISTRICT IV PO Box 2088, Santa Fe, NM 87504-2088 OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

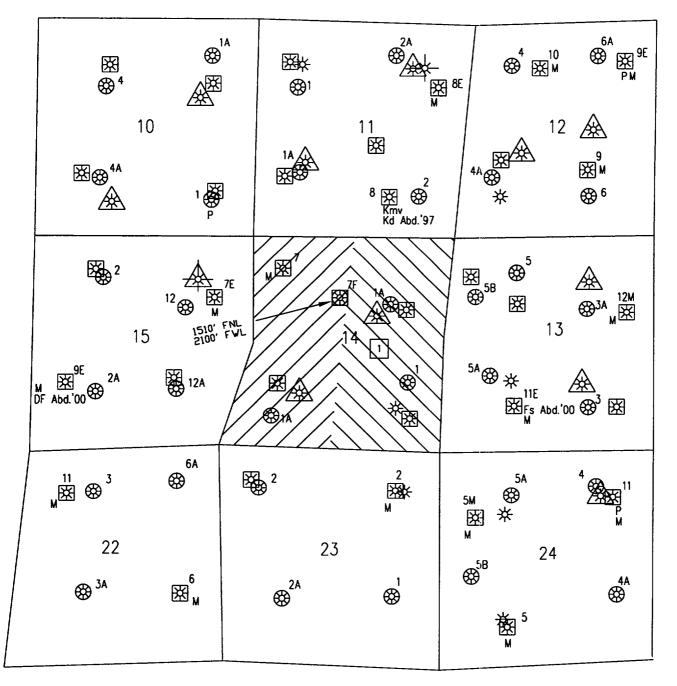
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLA	TION AND ACREAGE DEDICATION	ON PLAT
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¹ API Number			col Code	1		³ Pool Name	· · · · · ·		
30-045- 30438		71599	/ 72319	72319 Basin Dakota/Blanco Mesaverde					
*Property Code 18517			Property Name EAST					* Well Number 7F	
70GRID No. 14538		BUR	RUNGTON RESC	perator Name OURCES OIL	& GAS INC			* Elevation 6276	
		· · · · · ·	¹⁰ Su	rface Lo	ation		·		
UL or lot no. Section F 14	Township 31—N	Range L 12–W	Lot Idn Feet from 1510		rth/South line NORTH	Feet from the 2100	East/West line WEST	County SAN JUAN	
		" Bottor	n Hole Loc	ation If D	ifferent Fr	om Surface	- '		
UL or lot no. Section	Township	Ronge L	Lot Idn Feet fro	m the N	rth/South line	Feet from the	East/West line	County	
^a Dedicated Acres W/282+06	ia Joi	nt or Infili	¹⁴ Conso	idation Code		¹⁸ Order No.			
NO ALLOWABLE V			TO THIS CON					CONSOLIDATED	
	N 88°57 2462.04 T 4 2100 LOT 5 SA SF-07765	LOT 3 LOT 3 LAT: 38"54.1" LONG: 108"0 LOT		1/2" 1951 B.C. location	LOT 1 show rev	ised Sign Prin Re Dort	areby cartify that the is a and complete to the foture loggy Cole tisd Norme egulatory for 2. 2 de 2. 2 de	CERTIFICATIO	
// LOT (// / // // // // LOT 10		Lot a		LOT 7		I hereb was pic or und correct	y cartify that the we stitled from field notes or my supervision, or to the best of the	I location shown on this of actual surveys mode to d that the same is true rif. Right R Mag H	

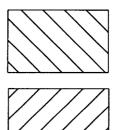
BURLINGTON RESOURCES OIL AND GAS COMPANY East #7F Section 14, T-31-N, R-12-W OFFSET OPERATOR/WORKING INTEREST OWNER PLAT

Nonstandard Location Mesaverde Formation Well



Burlington Resources 3401 E. 30th P.O. Box 4289 Farmington, NM 87402

1



Offset Working Interest Owner

Proposed Well

O	PERAT	OR
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Y _____SAM

1 1 8 2001

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #5539 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** ORIGINAL ** ORIGINAL

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3. Address	3401 EAST FARMINGT		7402			3a. Ph	Phone : 505.3	No. (include 326.9727 F	e area co x: 505.	de) .326.95			Well No. 045-3043	8	
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STATE OF NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 12509 ORDER NO. R-11532

APPLICATION OF BURLINGTON RESOURCES OIL & GAS COMPANY FOR APPROVAL OF A PILOT PROJECT INCLUDING UNORTHODOX WELL LOCATIONS AND AN EXCEPTION FROM THE SPECIAL RULES AND REGULATIONS FOR THE BASIN-DAKOTA GAS POOL FOR PURPOSES OF ESTABLISHING A PILOT INFILL DRILLING PROGRAM WITHIN ITS CULPEPPER MARTIN PROJECT AREA, CONSISTING OF SECTIONS 1-3, 10-15 AND 22-24, TOWNSHIP 31 NORTH, RANGE 12 WEST, WHEREBY UP TO FOUR WELLS MAY BE DRILLED ON A STANDARD GAS PRORATION UNIT TO DETERMINE PROPER WELL DENSITY FOR DAKOTA WELLS, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on October 19 and November 16, 2000, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this day of February, 2001, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner,

FINDS THAT:

(1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.

(2) Cases No. 12508 and 12509 were consolidated at the October 19th hearing for the purpose of testimony.

(3) The applicant, Burlington Resources Oil & Gas Company ("Burlington"), seeks approval to conduct a pilot infill drilling program in the Basin-Dakota Gas Pool within its proposed Culpepper Martin Project Area, San Juan County, New Mexico, whereby up to four wells may be drilled on a standard gas proration unit ("GPU") in order to determine proper well density.

(4) The applicant further seeks authority to drill the following-described six initial infill wells, all located at unorthodox gas well locations within Township 31 North, Range 12 West:

Well Name	Well Location
Davis No. 7F	180' FNL & 2465' FWL (Unit C) Section 11
Davis No. 8R	2270' FSL & 2140' FEL (Unit J) Section 11
East No. 7F	1740' FNL & 2395' FWL (Unit F) Section 14
Grenier No. 11F	965' FNL & 500' FWL (Unit D) Section 13
Harper No. 2F	2020' FSL & 1585' FEL (Unit J) Section 14
Richardson No. 8F	2510' FSL & 1915' FEL (Unit J) Section 10

(5) The applicant further seeks:

- (a) authority to expand the pilot infill drilling project by drilling additional infill wells within the Culpepper Martin area at orthodox and unorthodox locations provided that: i) no more than two wells shall be drilled on each quarter section within a standard 320-acre GPU; and ii) such wells are located no closer than 10 feet to the outer boundary of the proration unit nor closer than 10 feet to any quarterquarter section line or subdivision inner boundary;
- (b) to establish a ½-mile "buffer zone" within the outer boundary of the Culpepper Martin area within which standard well density for the Basin-Dakota Gas Pool shall apply in order to protect the correlative rights of offset operators; and
- (c) an exception to the well location requirements for the Basin-Dakota Gas Pool to allow the drilling of Dakota gas wells within the proposed "buffer zone" at locations no closer than 660 feet to the outer boundary of the Culpepper Martin area nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary.

(6) At the hearing, the applicant testified that the well location for the East Well No. 7F has been amended to 1510 feet from the North line and 2100 feet from the West line (Unit F) of Section 14.

(7) BP Amoco, Williams Production Company, Conoco Inc., and the United States Bureau of Land Management ("BLM") appeared at the hearing generally in support of the application.

(8) In companion Case No. 12508, Burlington seeks approval for a similar Dakota pilot infill drilling project within its San Juan 27-5 Unit area located in Township 27 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

(9) By Order No. R-1670-V issued in Case No. 6533 on May 22, 1979, the Division approved infill drilling within the Basin-Dakota Gas Pool whereby up to two wells may be drilled on a standard 320-acre GPU.

(10) The Basin-Dakota Gas Pool is currently governed by special rules established by Division Order No. R-10987, as amended, that require:

- (a) standard 320-acre gas spacing and proration units;
- (b) the initial well on a GPU to be located no closer than 660 feet to any outer boundary of the quarter section on which the well is located and no closer than 10 feet to any quarter-quarter section line or subdivision inner boundary; and
- (c) the infill well drilled on a GPU to be located in the quarter section of the GPU not containing a Dakota well and to be located with respect to the GPU boundaries as described in the preceding paragraph.

(11) Burlington is the operator of all Basin-Dakota Gas Pool GPU's within the Culpepper Martin area, which comprises 7,414 acres, more or less, consisting of Sections 1 through 3, 10 through 15, and 22 through 24, all in Township 31 North, Range 12 West. The proposed project area contains state, federal and fee oil and gas leases.

(12) The working, royalty and overriding royalty interest ownership within the Culpepper Martin area is not uniform throughout.

(13) The evidence and testimony presented indicates that Burlington has undertaken a study to analyze the drainage efficiency of Dakota gas wells in the Culpepper Martin area and generally in the San Juan Basin.

- (14) The applicant presented geologic evidence that demonstrates:
 - (a) the "Two Wells," "Paguate," "Upper Cubero," and "Lower Cubero" are the four distinct producing intervals within the Basin-Dakota Gas Pool. These four intervals vary in their continuity within the pool;
 - (b) within the Culpepper Martin area, the "Two Wells," "Paguate," and "Lower Cubero" are present with the gas production attributed to all three of these intervals;
 - (c) differences in ultimate gas recoveries within the Culpepper Martin area cannot be attributed to differences in reservoir thickness and structure, or matrix porosity and permeability;
 - (d) the presence and density of natural fractures in the Dakota formation appear to account for the differences between areas of high and low gas recoveries; and
 - (e) the geologic characteristics of the Dakota formation within the Culpepper Martin area are substantially different from those within the proposed San Juan 27-5 Unit area.

(15) Utilizing geologic and engineering data, Burlington has constructed various maps that depict: i) bulk volume hydrocarbon feet for the four producing intervals within the Basin-Dakota Gas Pool; ii) original gas in place ("OGIP") for the Basin-Dakota Gas Pool within the San Juan Basin; iii) estimated ultimate gas recovery ("EUR") for the Basin-Dakota Gas Pool within the San Juan Basin; iv) initial shut-in pressure ("ISIP") for 160-acre Dakota infill wells; and v) EUR ratio--160-acre infill well EUR/parent well EUR.

- (16) Burlington's geologic/engineering maps demonstrate that:
 - (a) OGIP varies considerably in the Dakota formation across the San Juan Basin;
 - (b) the ISIP for 160-acre infill wells varies considerably in the Dakota formation, and, within the Culpepper Martin area, the ISIP of 160-acre infill wells is approximately 42% of the initial Dakota reservoir pressure. These data demonstrate that the initial or "parent" wells were not efficiently draining the GPUs;
 - (c) there are areas in the San Juan Basin where the 160acre infill wells are estimated to recover at least as much gas as the parent wells, again demonstrating that in certain areas of the San Juan Basin, the Dakota formation exhibits poor drainage characteristics;
 - (d) within the Culpepper Martin area, the initial and 160-acre infill wells are estimated to recover approximately 68% of the OGIP underlying their GPUs; and
 - (e) the remaining 32% of the OGIP can only be recovered by increasing the well density.

(17) Burlington has conducted a reservoir simulation study on that portion of the Culpepper Martin area where it proposes to drill the six initial infill wells. This area encompasses 7,700 acres and contains 42 existing producing Dakota wells. The results of this reservoir simulation study demonstrate that:

- (a) drilling the proposed six wells will result in the recovery of 1.4 BCF of new gas reserves that would otherwise not be recovered by the existing wells;
- (b) these additional gas reserves can be economically recovered by drilling new "stand alone" Dakota wells; and

(c) the pilot wells are necessary in order to obtain pressure data that will be used to further refine the simulation model. The additional data obtained from the pilot project will allow Burlington to more accurately predict the proper well density and well location requirements for this area of the Basin-Dakota Gas Pool.

(18) The proposed unorthodox gas well locations are necessitated by a combination of topographic, engineering and geologic factors.

(19) The applicant notified all working, royalty and overriding royalty interest owners in the Culpepper Martin area and all offset operators of its application in this case.

(20) By letter dated November 1, 2000, the Commissioner of Public Lands for the State of New Mexico ("Commissioner") advised Burlington that the proposed Davis Well No. 7F encroached upon state trust lands located in Section 2, Township 31 North, Range 12 West, and that the Commissioner recommended an alternative well location be sought in order to avoid any correlative rights issues.

(21) No other offset operator or interest owner appeared at the hearing in opposition to the application.

(22) Burlington should seek an alternative well location for its Davis Well No. 7F in order to avoid any correlative rights violations. Accordingly, Burlington's request to drill its Davis Well No. 7F at an unorthodox location 180 feet from the North line and 2465 feet from the West line (Unit C) of Section 11, Township 31 North, Range 12 West, should be denied.

(23) The five remaining proposed unorthodox infill well locations should be approved.

(24) Preliminary geologic and engineering data indicate that the proposed pilot infill drilling project within the Culpepper Martin area will allow the applicant the opportunity to gather additional geologic and engineering data to determine proper well density in this portion of the Basin-Dakota Gas Pool, will allow the recovery of additional gas reserves from the Culpepper Martin area that may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights. (25) Expansion of the pilot project by drilling additional infill wells at orthodox or unorthodox gas well locations may be approved by the Division Director only after notice and hearing; provided however that the supervisor of the Aztec District Office of the Division may approve an alternate well location for the Davis Well No. 7F if this well location protects the correlative rights of offset interest owners.

(26) A $\frac{1}{2}$ -mile "buffer zone" should be established within the outer boundary of the Culpepper Martin area. Within the "buffer zone," standard well density for the Basin-Dakota Gas Pool should apply.

(27) The applicant's request to amend the well location requirements for the Basin-Dakota Gas Pool within the "buffer zone" is irrelevant to this case, was not justified by the evidence presented, and should therefore be denied.

IT IS THEREFORE ORDERED THAT:

(1) Burlington is hereby authorized to conduct a pilot infill drilling project in the Basin-Dakota Gas Pool within its Culpepper Martin area, described as follows, San Juan County, New Mexico, whereby up to four wells may be drilled on a standard GPU in order to determine proper well density.

Culpepper Martin Project Area

Township	31	North.	Range	12	West
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Sections 1 through 3:	All
Sections 10 through 15:	All
Sections 22 through 24:	All

(2) The applicant is further authorized to drill the following-described five initial infill wells, all located at unorthodox gas well locations within Township 31 North, Range 12 West:

Well Name

Well Location

Davis No. 8R	2270' FSL & 2140' FEL (Unit J) Section 11
Bast No. 7F	1510' FNL & 2100' FWL (Unit F) Section 14
Grenier No. 11F	965' FNL & 500' FWL (Unit D) Section 13
Harper No. 2F	2020' FSL & 1585' FEL (Unit J) Section 14
Richardson No. 8F	2510' FSL & 1915' FEL (Unit J) Section 10

(3) The applicant's request to drill its Davis Well No. 7F at an unorthodox gas well location 180 feet from the North line and 2465 feet from the West line (Unit C) of Section 11, Township 31 North, Range 12 West, is hereby <u>denied</u>.

(4) Expansion of the pilot project by drilling additional infill wells at orthodox or unorthodox gas well locations may be approved by the Division Director only after notice and hearing; provided however that the supervisor of the Aztec District Office of the Division may approve an alternate well location for the Davis Well No. 7F if this well location protects the correlative rights of offset interest owners.

(5) A $\frac{1}{2}$ -mile "buffer zone" inside the outer boundary of the Culpepper Martin area is hereby established. Within the "buffer zone," standard well density for the Basin-Dakota Gas Pool shall apply.

(6) The applicant's request to amend the well location requirements for the Basin-Dakota Gas Pool within the "buffer zone" is hereby <u>denied</u>.

(7) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO OIL CONSERVATION DIVISION

tenben ŁORI/WRŎŤŦĬ Director

SEAL

CMD : OG5SECT	ONGARD INQUIRE LAND	03/04/02 08:57: OGOMES -TQ PAGE NO:	
Sec : 14 Twp : 31N	Rng : 12W Section	Type : NORMAL	
4	3	2	1
36.19	35.95	36.50	36.74
Federal owned	Federal owned	Federal owned	Federal owned
А	A		
5	6	G	H
34.44	34.20	40.00	40.00
Federal owned	Federal owned	Federal owned	Fee owned
А		AA	А
PF01 HELP PF02 PF07 BKWD PF08 FW		PF04 GoTO PF05 PF10 SDIV PF11	PF06 PF12

- ⁻

CMD : OG5SECT	ONGARD INQUIRE LAND	03/04/02 08:58: OGOMES -TQ PAGE NO:						
Sec : 14 1wp : 51M	Sec : 14 Twp : 31N Rng : 12W Section Type : NORMAL							
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36.03	37.00	40.00	40.00					
Federal owned	Federal owned	Federal owned	Fee owned					
А			AA					
	1 	1 						
PF01 HELP PF02 PF07 BKWD PF08 FWI	PF03 EXIT P D PF09 PRINT P	F04 GoTo PF05 F10 SDIV PF11	PF06 PF12					

280.06

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ONGARD 03/04/02 09:00: CMD : INQUIRE WELL COMPLETIONS OGOMES -TO OG6IWCM API Well No : 30 45 22269 Eff Date : 01-01-1996 WC Status : A Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS) OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO Prop Idn : 18517 EAST Well No : 001A GL Elevation: 6265 U/L Sec Township Range North/South East/West Prop/Act(P/ ____ ___ ____ B.H. Locn : 10 14 31N 12W FTG 790 F S FTG 790 F W P Lot Identifier: Dedicated Acre: 280.06 Lease Type : F Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : M0025, Enter PF keys to scroll

11002	J. BIICCI IF K	CIP CO PCIOIT			
PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

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CMD : OG6ACRE		ONG C102-DEDI	ARD CATE ACREAGE	0	3/04/02 09:00: OGOMES -TQ Page No :
API Well No Pool Idn Prop Idn Spacing Unit Sect/Twp/Rng Dedicated Land	: 72319 BI : 18517 E : 40942 C :	ANCO-MESAVER AST OCD Order :	DE (PRORATED (GAS) Simultaneous	
	S Base	U/L Sec Tw	p Rng Acreage	L/W Owners	hip Lot Idn
	M		N 12W 36.03		
	N		N 12W 37.00		
	C		N 12W 35.95		
	D		N 12W 36.19		
	E	5 14 31	N 12W 34.44	N FD	
	F	6 14 31	N 12W 34.20	N FD	
	K	8 14 31	N 12W 33.61	N FD	
	\mathbf{L}	9 14 31	N 12W 32.64	N FD	
PF01 HELP PF	02	PF03 EXIT		PF05	PF06 CONFIRM
PF07 BKWD PF	08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

	ONGARD NQUIRE PRODUCTION		L	04/02 09:00 OGOMES -1 Page No:			
OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Na		Days Pro Prod Gas					
30 45 22269 EAST	01 00	31 262	в б		F		
30 45 22269 EAST	02 00	29 233	0 5	7	F		
30 45 22269 EAST	03 00	31 262	б 4		F		
30 45 22269 EAST	04 00	30 447	2 2		F		
30 45 22269 EAST	05 00	31 525	0 18		F		
30 45 22269 EAST	06 00	30 339	3 38		F		
30 45 22269 EAST	07 00	31 3054	4 16		F		
Reporting Period Total (Gas, Oil) :							
M0025: Enter PF }	ceys to scroll						
PF01 HELP PF02	PF03 EXIT PF	'04 GoTo Pi	F05	PF06 CONFIE	RM		
PF07 BKWD PF08 FWD	PF09 PF	10 NXTPOOL P	F11 NXTOGD	PF12			

CMD : OG6IPRD	ONGARD INQUIRE PRODUCTION BY POOL/WELL					02 09:00: GOMES -TQ age No:	
OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Name Prodn. Days Production Volumes						s We	
		MM/Y	7 Prod	Gas	Oil	Water St	
30 45 22269	EAST	08 0) 31	4226	14	- F	
30 45 22269	EAST	09 0) 30	4963	27	F	
30 45 22269	EAST	10 0) 31	5337	6	F	
30 45 22269	EAST	11 0) 30	3954	48	F	
30 45 22269	EAST	12 0) 31	3953	9	7 F	
30 45 22269	EAST	01 01	L 31	4335	28	F	
30 45 22269	EAST	02 0	L 28	3113	23	F	
Rep	orting Period	l Total (Gas, O	 1) : 				
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		PF03 EXIT					
PF07 BKWD	PF08 FWD	PF09	PF10 NXT	POOL PF11 N	XTOGD PF1	2	

CMD :ONGARD03/04/02 09:00OG6IPRDINQUIRE PRODUCTION BY POOL/WELLOGOMES -1Page No:Page No:Page No:						- TQ	
OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Na	me Prodn.	Days	Product	ion Volume	s	We	
	MM/YY	Prod	Gas	Oil	Water	St	
30 45 22269 EAST	03 01	31	4427	19		F	
30 45 22269 EAST	04 01	30	3510	16		F	
30 45 22269 EAST	05 01	31	3421	24		F	
30 45 22269 EAST	06 01	30	3345	13		F	
30 45 22269 EAST	07 01	31	3369	8	7	F	
30 45 22269 EAST	08 01	31	3526	15	2	F	
30 45 22269 EAST	09 01	30	3003	7		F	
Reporting Period	Total (Gas, Oil) :			-		
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PF01 HELP PF02	PF03 EXIT PF PF09 PF	04 GoTo				IRM	

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CMD : OG6IPRD INQUIRE PRO	ONGARD DDUCTION BY POO	L/WELL	03/04	4/02 09:01: OGOMES -TQ Page No:			
OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 22269 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Name	Prodn. Days	Production	on Volum	nes We			
	MM/YY Prod	Gas	Oil	Water St			
30 45 22269 EAST	10 01 31	4070	3	F			
30 45 22269 EAST	11 01 30	4038	30	F			
30 45 22269 EAST	12 01 31	3725	36	F			

	Repo	orting Period	Total (Gas,	Oil)	: 90	068	415	23
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PF07	BKWD	PF08 FWD	PF09	PF10	NXTPOCL	PF11 NXT	OGD PF12	

CMD :	ONGARD INQUIRE WELL COMPLETIONS				(03/04/02			
OG6IWCM					OGOMES - TO		MES -TÇ		
Pool Idn OGRID Idn	: 30 45 108 : 72319 BLAN : 14538 BUR : 18517 EAS	CO-MESAVE LINGTON R	RDE (P	RORAT	ED GAS)		Status	: A	
Well No GL Elevation									
	U/L Sec	Township	Range	Nort	h/South	Έā	st/Wes	st Prop	/Act(P/
Lot Identifi Dedicated Ac Lease Type	re: 280.06							 ? W	P

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : OG6ACRE		0. C102-DE	NGAR DICA		CREAGE		03	OG	2 08:58: OMES -TQ No :
API Well No :									
Pool Idn : Prop Idn :			ERDE	(PR	ORATED (SAS)		Wall	No : 00
Spacing Unit :						Simul	taneous		
Sect/Twp/Rng : Dedicated Land:									
	S Base	U/L Sec	Twp	Rng A	Acreage	L/W	Ownersh	ip L	ot Idn
	 М	10 14	31N	12W	36.03	N	FD		
	N	11 14	31N	12W	37.00	N	FD		
	С	3 14	31N	12W	35.95	N	FD		
	D	4 14	31N	12W	36.19	N	FD		
	Е	5 14	31N	12W	34.44	N	FD		
	F	6 14	31N	12W	34.20	N	FD		
	K	8 14	31N	12W	33.61	N	FD		
	${ m L}$	9 14	31N	12W	32.64	N	FD		
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PF07 BKWD PF08	B FWD	PF09		PF10	LAND	PF11	NXTSEC	PF12	RECONF

CMD : OG6IPRD IN	ONGARD QUIRE PRODUCTION B	BY POOL/WELL	03/04/02 08:58: OGOMES -TQ Page No:				
OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Name Prodn. Days Production Volumes MM/YY Prod Gas Oil Wa							
	MM/YY 4	Prod Gas	Oil Water St				
30 45 10814 EAST	01 00 3	3453	14 F				
30 45 10814 EAST	02 00 2	3550	9 F				
30 45 10814 EAST	03 00 3	3919	12 F				
30 45 10814 EAST	04 00 3	4892	20 F				
30 45 10814 EAST	05 00 3	6173	5 F				
30 45 10814 EAST	06 00 3	5673	15 F				
30 45 10814 EAST	07 00 3	8027	26 F				
	Total (Gas, Oil)	:					
M0025: Enter PF k	-						
PF01 HELP PF02 PF07 BKWD PF08 FWD			5 PF06 CONFIRM L NXTOGD PF12				

	SIPRD INQUIRE PRODUCTION BY POOL/WELL						
Page No: OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS) API Well No : 30 45 10814 Report Period - From : 01 2000 To : 12 2001							
API Well No Property Na		Days Pro Prod Gas					
30 45 10814 EAST	08 00	31 5911	11	 5 F			
30 45 10814 EAST	09 00	30 5582	17	3 F			
30 45 10814 EAST	10 00	31 5902	10	F			
30 45 10814 EAST	11 00	30 5256	30	F			
30 45 10814 EAST	12 00	31 5199	5	F			
30 45 10814 EAST	01 01	31 5568	41	F			
30 45 10814 EAST	02 01	28 4965	7	5 F			
Reporting Period	l Total (Gas, Oil) :					
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PF01 HELP PF02	PF03 EXIT PF	04 Goto PF	05 P	F06 CONFIRM			
PF07 BKWD PF08 FWD	PF09 PF	10 NXTPOOL PF	11 NXTOGD P	F12			

CMD :ONGARD03/OG61PRDINQUIRE PRODUCTION BY POOL/WELLOGRID Identifier :14538 BURLINGTON RESOURCES OIL & GAS CO					58 : -TQ :
Pool Identifier : 14 Pool Identifier : 723 API Well No : 30	19 BLANCO-MESAVERD	E (PRORATED	GAS)	o : 12 2001	L
API Well No Property Name Prodn. Days Production Volumes					
	MM/YY	Prod G	as Oil	Water	St
30 45 10814 EAST	03 01	31 51	01 6	 8	F
30 45 10814 EAST	04 01	30 47	95 13	4	F
30 45 10814 EAST	05 01	31 48	06 10	2	F
30 45 10814 EAST	06 01	30 42	99 9	1	F
30 45 10814 EAST	07 01	31 46	43 8	2	F
30 45 10814 EAST	08 01	31 48	39 11	3	F
30 45 10814 EAST	09 01	30 41	17 8	2	F
Reporting Per	iod Total (Gas, Oi	 l) : 			
PF01 HELP PF02	y continue scrolli PF03 EXIT P PF09 P	F04 GoTo		PF06 CONFI PF12	RM

CMD : OG6IPRD INQUIRE PRO	ONGARD DUCTION BY POOL		03/04/02 08:58: OGOMES -TQ Page No:
OGRID Identifier : 14538 BURLING Pool Identifier : 72319 BLANCO-ME API Well No : 30 45 10814 Re	SAVERDE (PRORAT	ED GAS)	
API Well No Property Name	Prodn. Days	Production	Volumes We
	MM/YY Prod	Gas O	il Water St
30 45 10814 EAST 30 45 10814 EAST 30 45 10814 EAST 30 45 10814 EAST	10 01 31 11 01 30 12 01 31	5264 4806 5070	7 4 F 5 5 F 4 7 F

Reporting Perio	od Total (Gas,	Oil) : 121	.810 3	03 51
E0049: User may	continue scrol	ling.		
PF01 HELP PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD PF08 FWD	PF09	PF10 NXTPOOL	PF11 NXTOG	D PF12

ONGARD 03/04/02 08:58: CMD : OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TO API Well No : 30 45 10789 Eff Date : 11-05-1998 WC Status : P Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS) OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO Prop Idn : 18517 EAST Well No : 001 GL Elevation: 6319 U/L Sec Township Range North/South East/West Prop/Act(P/ ----B.H. Locn : 3 14 31N 12W FTG 990 F N FTG 1650 F W Ρ Lot Identifier: Dedicated Acre: Lease Type : F Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

ILLEGIBLE

Astec Oil and Gas Company 920 Mercantile Securities Bldg. Dallas 1, Texas

Attention: Mr. Quilman B. Davis

Administrative Order NWU-35

May 18, 1955

Gentlemen:

. موجود محمد ا

Reference is made to your application for approval of a 280.06-acre non-standard gas provation unit in the Blanco-Mesavarde Gas Pool consisting of the following acreage:

> Tewnship 31 North, Range 12 West, NMPM W/2 of Section 14

It is understood that this unit is to be ascribed to your East Well No. 1, located 990 feet from the North line and 1650' from the West line of Section 14, in the NE/4 NW/4 of Section 14, Township 31 North, Range 12 West, NMPM, San Juan County, New Mexico.

By authority granted me under provisions of Rule 1, Section (b) of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool, as set forth in Order R-128-C, you are hereby authorized to operate the above described acreage as a non-standard gas provation unit, with allowable to be assigned thereto in accordance with pool rules, based upon the unit size of 280.06 acres.

Very truly yours,

W. B. Macey Secretary-Director

WBM:jh

cc: Oil Conservation Commission Astec, New Mexico Submit 5 Copies Appropriate District Office <u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

.

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

III. 11. Bottom Hole Location UI or lot no. Section Township Range Lot Idn Feet from the North/South Feet from the East/West line County 12. Ise Code 13. Producing Method Code 14. Gas Connection Date 15. C-129 Permit Number 16. C-129 Effective Date 17. C-129 Expin 11. Oil and Gas Transporters 18. Transporter Name 20. POD 21. O/G 22. POD ULSTR Location 18. Transporter 19. Transporter Name 20. POD 21. O/G 22. POD ULSTR Location 9018 Giant Industries 28 2 9 U 7 7 0 9 25244 Williams Field Services 2 8 2 0 D 7 A G JUL 2001 73. Produced Water 23. POD 24. POD ULSTR Location and Description 90. Con. Dr. Con.	<u>I.</u>			LLOW	ABLE A	ND AUTHO	RIZATION				
PO Box 239 Paramitigan, New Mexico 87499 New Well 4. API Number 5. Pool Name 6. Pool Code 7. Pogety Oate 8. Poojety Name 9. Well Number 18.17 East 7F II 10. Surface Location 111 Ul or Ion Section Township 11. 11. Bottom Hole Location 112W 12.1 11. Bottom Hole Location 111 12.1 12. Botode 12. Li Idn 12.1 13. Bottom Hole Location 14. Gas Canastion Data 12.1 13. Bottom Hole Location 14. Gas Canastion Data 12.1 12.1 Browship Media Gate 14. Gas Canastion Data 12.1 13. Bottom Hole Location 14. Gas Canastion Data 15. C128 Femil Number 13.1 Cola Stransporters 13. Calas Stransporters 14. Gas Canastion Data 13.2 13. Bottom Feed Services 2.8 2.9 U T 7 0 23244 Williams Field Services 2.8 2.9 U T 7 0 23244 Williams Field Services 2.8 2.9 U T 7 0 23244 Williams Field Services 2.8 2.9 U T 7 0 23.6 0.7 9 24. POD ULSTR Location and Description V. Well Completion Da	1. Operator										
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Signature Approved by: (/h.M.u. / J.er.in Signature Title: Printed/Name Peggy Cole Regulatory Supervisor (tlw) Approval Date: 7/9/2001 Telephone No. (505) 326-9700					ion given abo	ve is true			-D	~ -~ -~ - ~ - ~ - ~ - ~ - ~ - ~ -	
Signature Title: DEPUTY OIL & GAS INSPECTOR, DIST. #8 Printed/Name Approval Date: JUL 11 2001 Peggy Cole 7/9/2001 Telephone No. (505) 326-9700	anu compl	on in the pest (n my knowiedge	ang Utilti.			Approved by	: (Tharle	i / terr	in	
Printed/Name Approval Date: JUL 11 2001 Peggy Cole		<u>.</u>	<i></i>						··· /		
Peggy Cole Regulatory Supervisor (tlw) 7/9/2001 Telephone No. (505) 326-9700	Signature		1				Title:	TUIT UR & GA	AS INSPECTUR, DI	31. 🚮	
Regulatory Supervisor (tlw) 7/9/2001 Telephone No. (505) 326-9700		he C	all	·		····	Approval Da	te: JU	L 1 1 2001		
7/9/2001 Telephone No. (505) 326-9700						<u>.</u>					
	Regulatory S	Supervisor	(tlw)	· · · · · · · · · · · · · · · · · · ·			1				
							4				
	7/0/2001		Talanh	N.o.	(606) 224	0700					
47. It this is a change of operator infinitine OGKID number and name of the previous operator			A				no of the mer	ious anavata			
	47. II This I	is a change	of operator	iiii in the	UGKID N	umper and har	ue of the prev	nous operator			
Previous Operator Signature Printed Name Title Date	Previous O	perator Sig	gnature	Printed N	Name		Title		Date		

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Form 3160-5 August 1999)	UNITED STATES EPARTMENT OF THE IN	TERIOR			OME	M APPROVED 3 NO. 1004-0135
	UREAU OF LAND MANAG				5. Lease Serial No.	November 30, 2000
SUNDRY Do not use the	RTS ON WEL	LS	0	SF-077652		
abandoned we	II. Use form 3160-3 (APD) for such pr	posals.	S Din	6. If Indian, Allotte	ce or Tribe Name
SUBMIT IN TRI	PLICATE - Other instruct	tions on	se sigen 20	01	7. If Unit or CA/A	greement, Name and/or No.
1. Type of Well Oil Well 🛛 Gas Well 🔲 Oth	ner	DE 62	CILCON I		8. Well Name and 1 EAST 7F	No.
2. Name of Operator BURLINGTON RESOURCES	OIL & GAS	· · · · · ·	DIST 3 ield@br-inc.co	m 🔊	9. API Well No. 30-045-3043	8
3a. Address 3401 EAST 30TH FARMINGTON, NM 87402		3b. Phone No (Ph: 505.326. Fx: 505.326.	include area code)	Relie	10. Field and Pool, BASIN DAKC	
4. Location of Well (Footage, Sec., 7		1 X. 000.020.			11. County or Paris	sh, and State
Sec 14 T31N R12W Mer SEN	W				SAN JUAN C	COUNTY, NM
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE N	IATURE OF 1	NOTICE, R	LEPORT, OR OTH	IER DATA
TYPE OF SUBMISSION			TYPE O	F ACTION		
□ Notice of Intent	Acidize	Deepe	n		tion (Start/Resume)	□ Water Shut-Off
-	Alter Casing	🗖 Fractu	re Treat	🗖 Reclam	ation	Well Integrity
🛛 Subsequent Report	Casing Repair	🗖 New C	Construction	🗖 Recom	plete	🛛 DRG
Final Abandonment Notice	Change Plans	-	nd Abandon		rarily Abandon	
	Convert to Injection	🗖 Plug E	ack	U Water	Disposal	
(5-20-01) TOOH. TIH w/176 jt lightweight w/0.11% dispersar surface. Cmtd 2nd stage w/56 ft). Circ 80 bbl cmt to surface.	nt, 0.5% retarder, 5.18 pps 5 sx 50/50 Class G poz w/	D-154, 42.97 2.5% D79, 2%	nns D-124, 51	.85 nps DO	-49 (1336 cu ft) (Sire 36 bbl cmt to
14. I hereby certify that the foregoing is	Electronic Submission #					<u></u>
Name (Printed/Typed) PEGGY C	For BURLINGTON RE Committed to AFMSS for OLE	r processing by	Maurice John	o the Farmin son on 05/31 T AUTHORIZ	Ī/2001 ()	
Signature	I	Date 05/29/2001				
	THIS SPACE FO	R FEDERAL	OR STATE	OFFICE U	SE	
Approved By			Title		Dat	e
onditions of approval, if any, are attache riffy that the applicant holds legal or equinich would entitle the applicant to condu-	uitable title to those rights in the s		Office		_	
itle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a c				ake to any department	t or agency of the United
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	n	1008			• t	

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	UNITED STATES PARTMENT OF THE INTEI JREAU OF LAND MANAGEMI			OMB NO.	PPROVED 1004-0135 ember 30, 2000
SUNDRY	NOTICES AND REPORTS	ON WEELS		5. Lease Serial No. SF-077652	
Do not use this abandoned wel	s form for proposals to drill I. Use form 3160-3 (APD) for	or to re-enter an such propos tils Y 2001		6. If Indian, Allottee o	r Tribe Name
SUBMIT IN TRIPL	ICATE - Other instruction	ns okereverse side:		7. If Unit or CA/Agree	ement Name and/or No.
1. Type of Well Oil Well		E Dist a	- 2	9 4 7	
	Gas Well	- Committee	<u></u>	 Well Name and No. EAST 7F 	· · · · · · · · · · · · · · · · · · ·
2. Name of Operator BURLINGTON RESOURCES	OIL & GAS		× .	9. API Well No.	<u> </u>
3a. Address 3401 EAST 30T FARMINGTON,		3b. Phone No.(include area co 505.326.9727	ode)	3004530438 10. Field and Pool, or I	Exploratory Area
	ze, Sec., T., R., M., or Survey Descrip	ption)		BASIN DAKOTA	<u> </u>
2100FWL 1510FNL	-14-31-12			SAN JUAN NM	
12. CHECK API	PROPRIATE BOX(ES) TO INDI			ORT, OR OTHER DA	ATA
TYPE OF SUBMISSION		TYPE OF AC	TION		
Attach the Bond under which the work following completion of the involved o	Convert to Injection ation (clearly state all pertinent details, incl y or recomplete horizontally, give subsurfar will be performed or provide the Bond No. perations. If the operation results in a multi indonment Notices shall be filed only after a	ce locations and measured and true ver on file with BLM/BIA. Required sub iple completion or recompletion in a ne	Reclar Recom Tempo Water roposed wor rtical depth pequent rejew interval	nplete orarily Abandon Disposal ork and approximate duratio is of all pertinent markers an ports shall be files within 30 , a Form 3160-4 shall be file	nd zones. O days ed once
jts 8-5/8" 32# J-55 ST&C csg,	2:30 pm 4-29-01. Drilling ahead.(set @ 343'. Cmtd w/332 sx Class WOC. NU BOP. PT BOP & csg to	"B" neat w/3% calcium chlorid	de, 0.25	pps flocele (392 cu	
Electronic Submission #3932 verified	by the BLM Well Information System ing by Maurice Johnson on 05/03/20		ES OIL &	& GAS Sent to the Farm	ington Field Office
Electronic Submission #3932 verified Committed to AFMSS for process		001		& GAS Sent to the Farm	ington Field Office
Electronic Submission #3932 verified Committed to AFMSS for process	ing by Maurice Johnson on 05/03/20 GGY COLE	D01 Title Date	REPOR 05/01/20	T AUTHORIZER	ington Field Office
Electronic Submission #3932 verified Committed to AFMSS for process Name (Printed/Typed) PE	ing by Maurice Johnson on 05/03/20 GGY COLE	001 Title	REPOR 05/01/20	T AUTHORIZER	
Electronic Submission #3932 verified Committed to AFMSS for process Name (Printed/Typed) PE	ing by Maurice Johnson on 05/03/20 GGY COLE	D01 Title Date	REPOR 05/01/20	T AUTHORIZER	

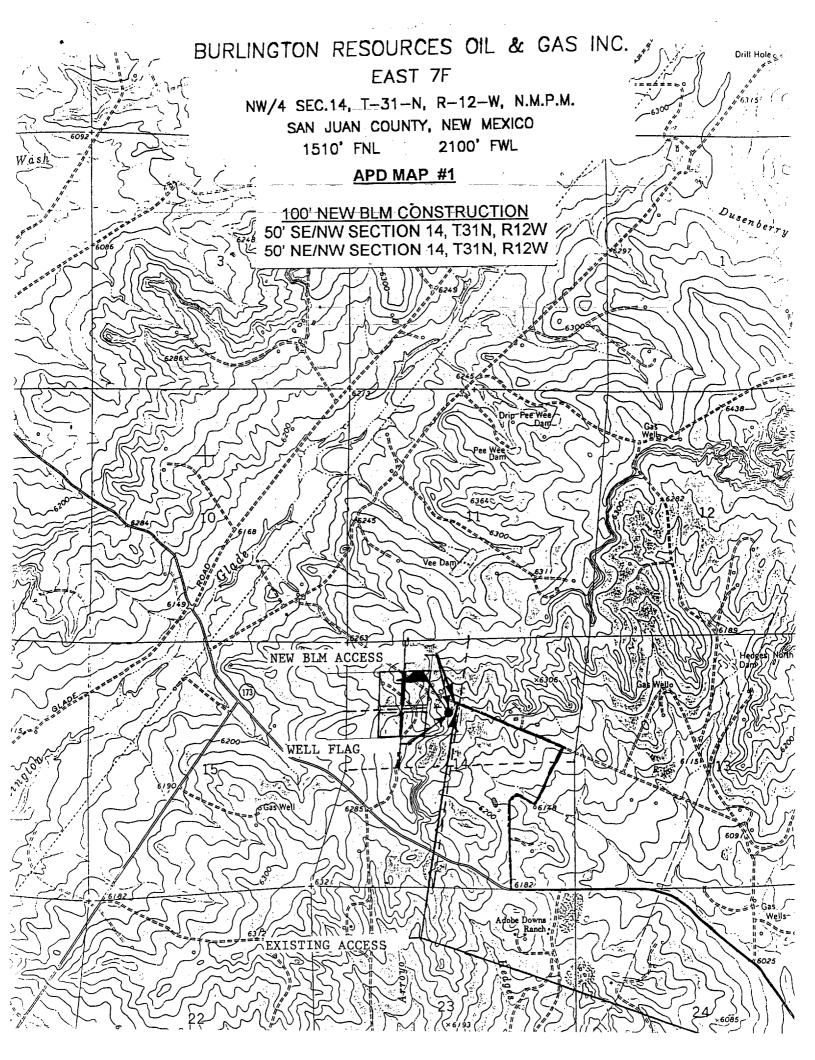
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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1a.	Type of Work	5. Lease Number
ia.	DRILL	SF-077652
		Unit Reporting Number
		t the
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	
2.	Operator 03 14 15 16 77 76	7. Unit Agreement Name
	BURLINGTON	
	Address & Phone No. of Operator	3 Farm or Lease Name
p.		East
#	PO Box 4289, Farmington, NM 8/499 OL CON DV	Well Number
/	(505) 326-9700	#7F
4.	Location of Well 1510' FNL, 2100' FWL	10. Field, Pool, Wildcat Basin Dakota
		11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36 ⁰ 54.1'N, Longitude 108 ⁰ 04.0'W	📕 _ Sec.14, T-31-N, R-12-
	. ,	API# 30-045- 30438
	Distance in Miles from Nearest Town	· · · · · · · · · · · · · · · · · · ·
14.	8.2 miles from Aztec P.O.	12. County 13. State San Juan NM
		NH
15.	Distance from Proposed Location to Nearest Property or Lease	Line
40	1510'	
16.	Acres in Lease	 Acres Assigned to Well W/280.06
		W/2000.00
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl,	or Applied for on this Lease
	The extent is peopled to fundament and	
19.	Proposed DepthProcedural review purchash to 45 CFR 318 7423' and appeal purchash to 43 CFR 3185.4.	
	7423' and appeal purchant is 43 GPPR \$185.4.	Rotary
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6276' GR	
	Brancood Cooing and Compating Bragger	· · · · · · · · · · · · · · · · · · ·
23.	Proposed Casing and Cementing Program	
	See Operations Plan attached	OPELLINE OPERATIONS AUTHORIZED A
	See Operations Plan attached	SUMEET TO COMPUTATION WITH ATTAC
	See Operations Plan attached	•
	Dava A.a	SUMEET TO COMPUTATE WITH ATTAC "General pequirements"
24.	Authorized by	st need to cover indice with attac "general pequirements" <u>11-20-00</u>
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	Authorized by. Dalla ale Regulatory/Compliance Supervisor	SUMEET TO CHER INFOR WITH ATTAC "GENERAL DEQUIREMENTS". Date Date
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PERN	Authorized by. Dalla ale Regulatory/Compliance Supervisor	SUMEET TO SHER INFOR WITH ATTAC "GENERAL DEQUIREMENTS" Date DATE
PERN	Authorized by. Regulatory/Compliance Supervisor APPROVAL ROVED BY Par Phone Lall: Streve Mason TITLE	SUMEET TO SHER INFOR WITH ATTAC "GENERAL DEQUIREMENTS" Date DATE
PERM APPR Archa Threa	Authorized by: Authorized Law Regulatory/Compliance Supervisor NIT NO. APPROVAL Per Phone Lall; APPROVAL Soved By Strave Mason TITLE Decological Report to be submitted tened and Endangered Species Report to be submitted	SUMEET TO SHER INFOR WITH ATTAC "GENERAL DEQUIREMENTS" Date DATE
PERM APPR Archa Threa NOTE:	Authorized by. Authorized by. Regulatory/Compliance Supervisor NIT NO. APPROVAL Per Phone Lall: APPROVAL Soved By Struct Mason TITLE Decological Report to be submitted There and Endangered Species Report to be submitted This format is issued in lieu of U.S. BLM Form 3160-3	SUMERAL DEQUIREMENTS" "GENERAL DEQUIREMENTS" Date DATE DATE <u>3 13-1</u>
PERN APPR Archa Threa NOTE: Title 18	Authorized by. Authorized by. Regulatory/Compliance Supervisor NIT NO. APPROVAL Per Phone Lall: APPROVAL Struct Mason TITLE Decological Report to be submitted Title tened and Endangered Species Report to be submitted This format is issued in lieu of U.S. BLM Form 3160-3 BU.S.C. Section 1001, makes it a crime for any person knowingly and willfully to	SUMERING ONEAL DECOMPANIANCE WITH ATTAC "GENERAL DECOMPENIES" Date DATE DATE 3 13-1 DATE 4 13 13-1
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PERN APPR Archa Threa NOTE: Title 18	Authorized by. Authorized by. Regulatory/Compliance Supervisor NIT NO. APPROVAL Per Phone Lall: APPROVAL Struct Mason TITLE Decological Report to be submitted Title tened and Endangered Species Report to be submitted This format is issued in lieu of U.S. BLM Form 3160-3 BU.S.C. Section 1001, makes it a crime for any person knowingly and willfully to	SUMERT TO OMALIARCE WITH ATTAC "GENERAL PEQUIREMENTS" Date DATE DATE DATE Date to any department or agency of the United within its jurisdiction.
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1 API Number 30-045- 304	38	7159	Pool Code)9		Basin Dakota	³ Pool	Nome		
⁴ Property Code 18517	<u> </u>	L	⁵ Pro	operty No EAST	me			E Y	Vell Number 7F
⁷ OGRID No.			•	erator Na					⁸ Elevation
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UL or lot no. Section F 14	1 · I	Ronge 12-W	1510	une	NORTH	2100		WEST	County SAN JUAN
		¹¹ Botto	m Hole Loca	tion II	f Different Fro	om Surfo	ice		
UL or lot no. Section	Township	Range	Lot Idn Feet from	n the	North/South line	Feet from t	he Eas	st/West line	County
¹² Dedicated Acres	L ¹³ Join	t or Infill	¹⁴ Consolid	lation Cod		¹⁵ Order No.	l		
W/28 0. 06	3					R	1532	2	
NO ALLOWABLE			TO THIS COM						ONSOLIDATED
16	N 88'57'1 2462.04'	3" E		AS BL 1/2" 951 B.C.			17 I7		
FD 3 1/2 BLM 1951 B.C.	DT 4	LOT :	ה _Reis	sued ocati	to show revi	Lsed	I hereby cer	tify that the infor	CERTIFICATION mation contained herein is it of my knowledge and belief
	2100'	AT: 36°54. ONG: 108° LO1	1' N. 04.0' W. 1 G 1 6 1 1 4 00	AL MED	15 6 17 18 10 NAR 2001		Title	Cole	
		LOT 8	TOJ E		CLUSSEE	vos or i corr	plotted from under my sup act to the b	that the well loc field nates of a pervision, and the rest no pelia -1 7 the pelia Scal affrom the period	121
/ LOT 10 / 		LOT 11	FD 3 1/2" BLM 1951 B.C.				ertificate Num	8894	



Well Name: Location:	East #7F 1510'FNL, 2100'FWL, Sec.14, T-31-N, R-12-W San Juan County, NM Latitude 36° 54.1'N, Longitude 108° 04.0'W
Formation: Elevation:	Basin Dakota

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1104'	
Ojo Alamo	1104'	1181'	aquifer
Kirtland	1181'	2107'	gas
Fruitland	2107′	2761 ′	
Pictured Cliffs	2761'	2916'	gas
Lewis	2916'	3479'	gas
Mesaverde	3479 '	3867 ′	gas
Chacra	3867 ′	4388′	gas
Massive Cliff House	4388′	4540′	gas
Menefee	4540′	5095'	gas
Massive Point Lookout	5095 '	5463′	gas
Mancos Shale	5463′	7111'	gas
Greenhorn	7111'	7241'	gas
Dakota	7241′	7423′	gas
TD	7423'		-

Logging Program:

.....

Open hole logs - none Cased hole logs - CBL/GR - TD to surface. Cores - none

Mud Program:

Interval	Туре			<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-7423'	LSND	8.4-9.0	40-60	8-12

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

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 320'	8 5/8"	24.0#	WC-50
7 7/8"	0' - 7423'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7423' 2 3/8" 4.7# J-55 EUE

BOP Specifications, Wellhead and Tests:

Surface to TD -

11" 3000 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.

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

Operations Plan - East #7F

Page Two

Completion Operations -

6" 3000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

Surface to Total Depth -

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

Wellhead -

8 5/8" x 4 1/2" x 2 3/8" x 3000 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.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing -

Cement to surface w/336 sx Class "G" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (396 cu.ft. of slurry, 200% excess to circulate to surface.) WOC 8 hr prior to drilling out surface casing. 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.

Production Casing - 4 1/2"

4 1/2" production casing -Lead w/809 sx Litecrete, 0.11% dispersant. Tail w/346 sx 50/50 Class "G" poz w/5% gel, 0.25 pps celloflakes, 5 pps gilsonite, 0.25% fluid loss, 0.15% dispersant, 0.1% retarder (2536 cu. ft. of slurry, 50% excess.) CirC

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

Float shoe on bottom. Three centralizers run every other joint above shoe. Thirty-five centralizers - one every 4th joint to the base of the Ojo Alamo @ 1181'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1181'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.