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in. Type of total		_	35360		
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•	Cabal Energy Corporation	194930 130 Phone No include and		30.005	63800
	i West Wall Street, Suite 1700 diaad, Texas 79701	432-682-0440	ECEIVE	10. Field and Pool, or Exp Pecos Slope Abo	~~~~~~
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At surface At proposed p	rod. zone Same as Above	. 99	u-antes	Sec 26, T10S, R2	25E
14. Distance in mil	les and direction from nearest town or post offic	×*		12. County or Parish	13. State
15. Distance from		16. No. of acres in lease	17. Spa	Chaves acing Unit dedicated to this we	U NM
location to near property or lea (Also to neares	rest	960	16	0	
18. Distance from ; to nearest well, applied for, on	drilling, completed,	19. Proposed Depth 5,500*		M/BIA Bond Na on file M 2860	
21. Elevations (S 3741'	how whether DF, KDB, KT, GL, etc.)	22. Approximate date wo		23. Estimated duration 20 Days	· · · · · · · · · · · · · · · · · · ·
	<u></u>	24. Attachments			······
 Well plat certifi A Drilling Plan. A Surface Use 	pleted in accordance with the requirements of ied by a registered surveyor. Plan (if the location is on National Forest S field with the appropriate Forest Service Offic	4. Bond Item 2 System Lands, the 5. Opera 6. Such autho	to cover the oper 20 above). tor certification other site specific rized officer.	ations unless covered by an e information and/or plans as a	•
25. Signature	fundas hur	Name (Printed/Typ		I	Date
Title Co		Lindsay T			07/27/2005
Approved by (Sign	······································	Name (Printed/Ty	ped) /S/LA	RRY D. BRAY	• NOV 18
Title		Office ROSW	ELL FIELD	OFFICE APP	PROVED FOR 1
conduct operations	val does not warrant or certify that the applica a thereon. roval, if any, are attached.	int holds legal or equitable title to	those rights in the	subject lease which would en	title the applicant to
Title 18 U.S.C. Sec	tion 1001 and Title 43 U.S.C. Section 1212, make titious or fraudulent statements or representati	e it a crime for any person knowi	ngly and willfully	to make to any department or	agency of the United
*(Instructions on					
CALL .	NSL-		400001		~
1 1 1					
	If earthen pits are used i	in	GENERA	L REQUIREME	

Drill Only NSL required to produce well -OCD

T DISTRICT I 1625 N. PERICE DR., E0888, NM 88240

DISTRICT II 1301 W. GRAND AVENUR, ARTESIA, DM 88210

DISTRICT III 1000 Bio Brasos Rd., Axtec, NK 67410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102 Revised JUNE 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

STRICT IV	B., SANTA PE,	NM 67605	WELL LO	CATION	AND ACI	REA	GE DEDICATIO	ON PLAT		ED REPORT
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Property C	ode			A '	Property ZTEC 26				Well Nun 1	nber
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SUNDRY	NOTICES AND REP	PORTS ON	WELLS		NM 0730	6 Allottee or Trib	
Do not use th	Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.						
abandoned w		4PD) 101 SUCI			N/A	<u>.,</u>	
	IPLICATE- Other instr	ructions on r	everse sid	θ.	7. If Unit or (N/A	CA/Agreement,	, Name and/or No.
1. Type of Well	Gas Well Other	<u> </u>			8. Well Nam Aztec 26	e and No. Federal #1	
2. Name of Operator Cabal Energ	y Corporation		DEOF	-	9. API Wel		
3a. Address		3b. Phone No. (i		NEU-		<u></u>	
415 West Wall Street, Suite 17		432-682-044	NOV 2	1 7005		Pool, or Explo ope Abo	ratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)		QOD	ATERIA		r Parish, State	<u> </u>
660' FSL & 1980' FWL Sec 26, T-10S, R-25E				i i Box4		-	
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12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NA	ATURE OF I	NOTICE, RI	EPORT, OR	OTHER DA	.TA
TYPE OF SUBMISSION			TYPE OF A	CTION			
	Acidize	Deepen	Pr	oduction (Sta	rt/Resume)	Water Shu	ıt-Off
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Subsequent Report	Casing Repair	New Constru		ecomplete		Other	
Final Abandonment Notice	Change Plans	Plug and Aba		emporarily Ab /ater Disposal	andon		
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14. I hereby certify that the for Name (Printed/Typed)	egoing is true and correct						
	ell	T	itle Consulta	nt .			
Signature JUVIS	215 Micsal	ll I	Date	1	0/07/2005		
	THIS SPACE FOR	FEDERAL C	OR STATE	OFFICE	USE		
Approved by /S/LARRY			Title		D	NOV	18 2005
Conditions of approval, if any, are certify that the applicant holds legg which would entitle the applicant (al or equitable title to those rights	does not warrant of in the subject lease	r Office	ROSWE	LL FIELD		
Title 18 U.S.C. Section 1001 and Tit States any false, fictitious or fraudu	te 43 U.S.C. Section 1212 make it	a crime for any person as to any matter w	son knowingly thin its jurisdic	and willfully			agency of the United

(Instructions on page 2)

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3748.8'

3733.5

2280

I hereby certify that the well location this plat was plotted from field notes of actual surveys made in me or us supervison and has entry into a to correct of the oreit. The surveys G. MEL. 7 under my is true and Date Surveyed Signature & Seal of Professional Survey JR 12641 (FYOR ્ઝેં ONA! **#**0/4/05 Par 05.11.1461

12641

Certificate No. GARY EIDSON

MULTI POINT SURFACE USE AND OPERATIONS PLAN FOR

Cabal Energy Corporation Aztec 26 Federal #1

Surface Location: 660' FSL & 1980' FWL Section 26, T-10-S, R-25-E Chaves County, New Mexico Lease No.: NM 07306

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan to be followed in rehabilitating the surface and environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a location verification map showing the location of the proposed well as staked.
- B. Directions: From Mile Post 164 on Hwy. #380 (Arlene Road). Go West on Hwy #380 approximately 0.6 miles. Turn Right (North) at tower and go through cattle guard. Follow bend Left (West) and go approximately 300'. Follow bend Right (North) and go approximately 0.8 miles. Turn Right (Northeast) and follow P/L road approximately 0.1 miles. This location is approximately 100' South of road.

2. PLANNED ACCESS ROAD.

A. Length and Width: Exhibit "C" is the proposed access road.

1

- B. Construction: None necessary.
- C. Turnouts: None required.
- D. Culverts: None necessary.
- E. Cuts and Fills: None necessary.
- F. Gates and Cattle Guards: 1 Cattle Guard
- G. Off lease right of way: None required.

Cabal Energy Corporation Aztec 26 Federal #1 Multi Point Surface Use and Operations Plan

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3. LOCATION OF EXISTING WELLS:

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Existing wells in the immediate area are shown on the Vicinity Map, Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Cabal Energy Corporation has no production facilities on the lease at this time.
- B. If the well proves to be commercial, the necessary production facilities, gas separation-process equipment and tank battery, if required, will be installed on the drilling pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing and proposed access roads.

6. SOURCE OF CONSTRUCTION MATERIAL:

Caliche for surfacing the proposed access road and well site pad will be obtained from the location, if available, or from an approved Federal pit. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the reserve pits.

- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
- E. Oil Produced during tests will be stored in test tanks.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

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S. S. S.

8. ANCILLARY FACILITIES:

None required.

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9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged 500' x 500'.
- B. Mat Size: 225' x 300', plus 150' x 150' reserve pit on the southeast.
- C. Cut & Fill: None necessary
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. The well site will be cleaned of trash leaving the site aesthetically pleasing to the extent possible.
- B. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled as soon as they are dry enough to be worked.

11. OTHER INFORMATION:

- A. Surface Ownership Bureau of Land Management
- B. Boone Archeological Services, 2030 North Canal Street; Carlsbad, NM 88220, conducted an archaeological survey. No significant archaeological resources were found in the area of the planned access road or of the proposed well site.
- C. Oil & Gas Lease: NM 07306

Township 10 South, Range 25 East SW/4 of Section 26

CALL!

Cabal Energy Corporation Aztec 26 Federal #1 Multi Point Surface Use and Operations Plan

D. RECORD LESSEE:

Pure Energy Group Chisos 50% 50%

E. BOND COVERAGE:

\$25,000 Statewide Oil & Gas Surety Bond BLM Bond #: NM 2860

12. OPERATOR'S REPRESENTATIVE:

The field representative for assuring compliance with the approved use and operations plan is as follows:

R. K. Ford & Associates 415 West Wall, Suite 1700 Midland, Texas 79701 432-682-0440 (Office) 432-682-0441 (Fax) 432-570-7216 (Home) 432-559-2222 (Cell) Randell@rkford.com (E-mail)

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Cabal Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

July 11, 2005

modell Lindsav Truesdel

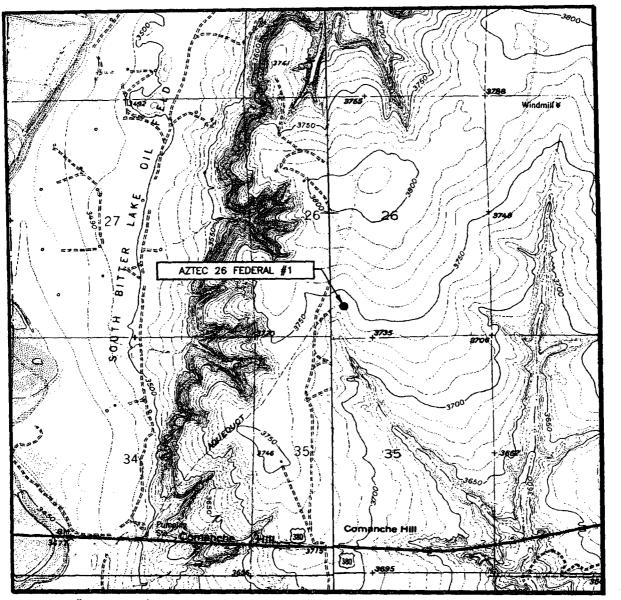
Consultant

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Cabal Energy Corporation Aztec 26 Federal #1 Multi Point Surface Use and Operations Plan

LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

SEC. <u>26</u> TWP. <u>10-S</u> RGE. <u>25-E</u>
SURVEYN.M.P.M.
COUNTYCHAVES
DESCRIPTION 660' FSL & 1980' FWL
ELEVATION 3741'
CABAL OPERATOR ENERGY CORPORATION
LEASE AZTEC 26 FEDERAL
U.S.G.S. TOPOGRAPHIC MAP COMANCHE SPRING & BITTER LAKE, N.M.

CONTOUR INTERVAL: COMANCHE SPRING, N.M. – 10' BITTER LAKE, N.M. – 10' SUPPLEMENTAL – 5'



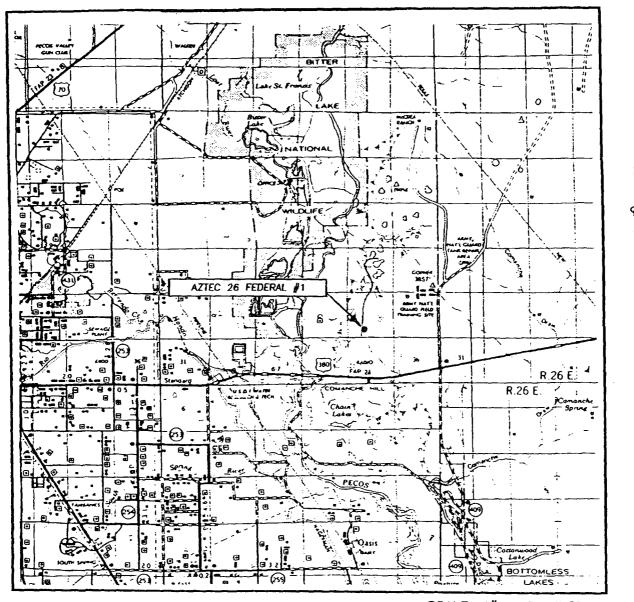
Exhibit "A"

VICINITY MAP

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SCALE: 1'' = 2 MILES

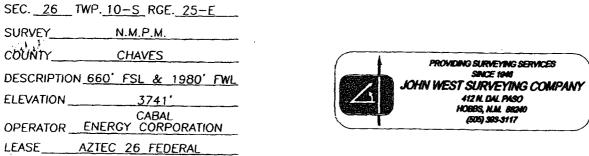


Exhibit "B"

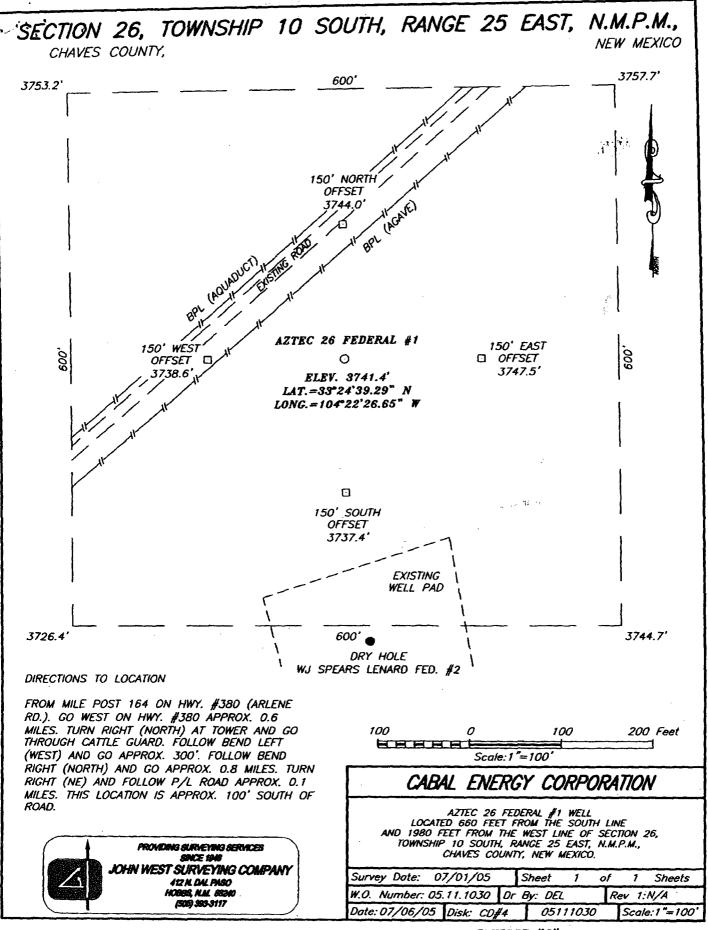
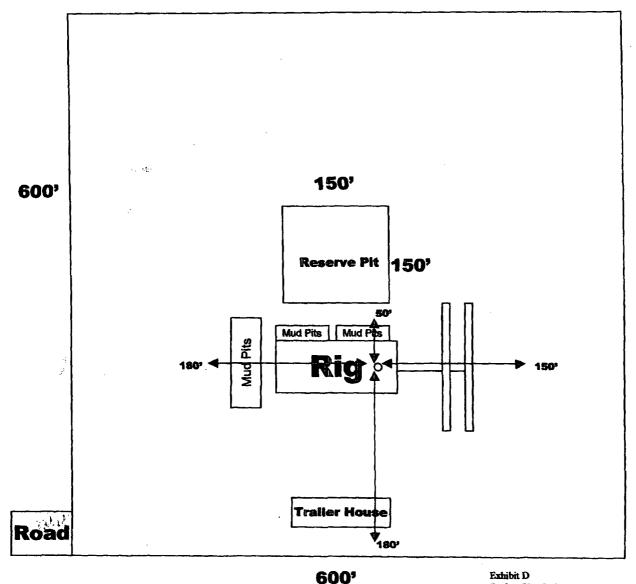


EXHIBIT "C"

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DRILLING RIG LAYOUT Cabal Energy Corporation Aztec 26 Federal #1



Surface Use & Operations Plan

DRILLING PROGRAM

CABAL ENERGY CORPORATION <u>Aztec 26 Federal #1</u> Section 26, T-10-S, R-25-E Chaves County, New Mexico

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Orders #1 and #2, and all other applicable federal and state regulations.

1. ESTIMATED TOPS OF GEOLOGIC MARKERS (TVD):

San Andres	726'
San Andres Porosity	1,267'
Glorietta	2,358'
Glorietta Sand	2,528'
Yeso	2,714'
Abo Clastic	4,107'
Zu Upper Abo Sd	4,236'
Zu Massive Abo Sd	4,364'
Lower Abo Sd #2	4,464'
Lower Abo Sd #1	4,514'
Total Depth	5,500'

2. ESTIMATED DEPTHS TO WATER, OIL, OR GAS FORMATIONS:

Fresh WaterAbove 200'Oil and GasAbo

3. Pressure control equipment: The blowout preventer stack for the production (7-7/8") hole as shown on Exhibit #2 will consist of at least a double-ram blowout preventer and annular preventer rated to 3000 psi working pressure. A diagram of the BOPs and choke manifold is attached. All BOPs and accessory equipment will be tested according to Onshore Order #2 before drilling out.

4. PROPOSED CASING PROGRAM:

Hole Size	Interval	Casing Size	<u>Weight</u>	Grade, Joint
12-1/4 "	0 — 850'	8-5/8"	24#	K-55, ST&C
7-7/8"	0 — 5,500'	5-1/2"	15.5#	J-55, ST&C

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability. Changes will be relayed to BLM prior to running.

5. PROPOSED CEMENTING PROGRAM

5. PROPOSED CEMENTING PROGRAM

14" conductor	cemented with ready mix to surface
8-5/8" surface	300 sxs Premium Plus cement, 2% calcium chloride
5-1/2" production	150 sxs Light Cement
•	150 sxs Super "H" cement .5% Halad, .4% CFR-3, 3# per sx
	Gilsonite

6. PROPOSED MUD SYSTEM:

DEPTH	DESCRIPTION	MUD WEIGHT	VISCOSITY	WATER LOSS
0 850'	fresh water	8.6 - 8.8 ppg	28 - 30	NC
850' - 5,500'	brine water	10.0 – 10.2 pp	g 28-34	12 cc

7. TESTING, LOGGING AND CORING PROGRAM:

Samples	From 850'
DST's	N/A
Logging	Dual Lateral, Gamma Ray, Caliper, Density Neutron, PE Factor
Coring	Possible sidewall core; San Andres, Glorietta, Yeso, Abo Sd

8. ABNORMAL PRESSURES AND TEMPERATURES:

None anticipated. Maximum bottom hole pressure should not exceed 5,200 psi. Although we do not anticipate encountering H_2S in amounts significant enough to require an H_2S contingency plan in accordance with Rule 118 of the OCD, we have prepared an H_2S drilling plan.

ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

It is planned that operations will commence on August 15, 2005. Drilling should be completed within 20 days followed by completion operations.

and the

Cabal Energy Corporation Aztec 26 Federal #1 Drilling Program

United States Department of the Interior Bureau of Land Management Roswell Field Office 2909 Second Street Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: Street or Box: City, State: Zip Code: Cabal Energy Corporation 415 West Wall Street, Suite 1700 Midland, Texas 79701

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No: NM 07306

Legal Description of Land:

Township 10 South, Range 25 East, Eddy, New Mexico

SW/4 of Section 26

Bond Coverage:

Statewide Oil and Gas Surety Bond, Edge Petroleum Operating Company, Inc.

BLM Bond File No.: NM 2860

mosdell Lindsay Truesde

Agent July 26, 2005

Sec.

Edge Petroleum Operating Company, Inc. Lusk "34" Federal #2 Responsibility Letter

EXHIBIT A

OPERATORS NAME: <u>Cabal Energy Corporation</u> LEASE NO.: <u>NM-07306</u> WELL NAME & NO: <u>Aztec 26 Federal #1</u> QUARTER/QUARTER & FOOTAGE: <u>SE½SW½ - 660' FSL & 2280' FWL</u> LOCATION: <u>Section 26, T. 10 S., R. 25 E., NMPM</u> COUNTY: <u>Chaves County, New Mexico</u>



WELL DRILLING REQUIREMENTS

2 of 5 pages

4. The reserve pit shall be fenced on three (3) sides during drilling operations. The fourth side shall be fenced immediately upon rig release.

5. The reserve pit shall be constructed so as not to leak, break, or allow discharge of drilling muds. Under no circumstances will the reserve pit be cut to drain drilling muds on the well location.

6. The reserve pit shall not be located in any natural drainage.

7. The reserve pit shall be equipped to deter entry by birds, bats, other wildlife, and livestock, if the reserve pit contains any oil and/or toxic fluids.

8. Drilling muds shall be properly disposed of before the reserve pit is reclaimed. Drilling muds can be allowed to evaporate in the reserve pit or be removed and transported to an authorized disposal site. The reserve pit shall be backfilled when dry.

9. Dumping of junk or trash into the reserve pit is not allowed. Junk or trash shall be removed from within the reserve pit before the reserve pit is reclaimed. Junk or trash shall not be buried in the reserve pit.

E. Federal Mineral Materials Pit Requirements:

1. Caliche, gravel, or other related materials from new or existing pits on Federal mineral estate shall not be taken without prior approval from the authorized officer. Contact Jerry Dutchover at (505) 627 -0236.

2. Payment for any Federal mineral materials that will be used to surface the access road and the well pad is required prior to removal of the mineral materials.

3. Mineral Materials extracted during construction of the reserve pit may be used for development of the pad and access road as needed, for the <u>Aztec 26 Federal #1</u> gas well only. Removal of any additional material on location must be purchased from BLM prior to removal of any material.

a. An optional mineral material pit may be constructed within the archaeologically cleared area. The mineral material removed in the process can be used for pad and access road construction. However, a mineral material sales contract must be purchased from the BLM prior to removal of any material.

F. Well Pad Surfacing Requirement:

The well pad shall be surfaced with <u>6</u> inches of compacted caliche, gravel, or other approved surfacing material. The well pad shall be surfaced prior to drilling operations. See <u>Permanent Resource Road Requirements</u> -EXHIBIT D - requirement #4, for road surfacing.

G. Cave Requirements:

1. If, during any construction activities any sinkholes or cave openings are discovered, all construction activities shall immediately cease. Contact <u>Larry Bray</u> at (505) 627-0250.

2. The BLM Authorized Officer will, within 24 hours of notification in "A" above, conduct an on-the-ground field inspection for karst. At the field inspection the authorized field inspector will authorize or suggest mitigating measures to lessen the damage to the karst environment. A verbal order to proceed or stop the operation will be issued at that time.

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WELL DRILLING REQUIREMENTS

3 of 5 pages

III. DRILLING OPERATION REQUIREMENTS:

A. GENERAL DRILLING REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 in sufficient time for a representative to witness:

A. Spudding B. Cementing casing: <u>8%</u> inch <u>5½</u> inch C. BOP tests

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.

4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

B. CASING:

1. The $\underline{85_{\$}}$ inch surface casing shall be set at $\underline{850'}$ and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the $5\frac{1}{2}$ inch intermediate casing is <u>cement shall extend</u> upward a minimum of 200 feet above the top of the Glorieta formation.

C. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the <u>8%</u> inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be **2000** psi.

3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.

- A. The results of the test shall be reported to the appropriate BLM office.
- B. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- C. Testing must be done in a safe workman-like manner. Hard line connections shall be required.

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Form 3160-5 (April 2004)		UNITED STATES	BIBERIOR	882	10	E	FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007
				VELLO		5. Lease Serial NM 0730	
Do	not use this	OTICES AND REP form for proposals to Use Form 3160-3 (A	o drill or to r	re-enter	r an		Allottee or Tribe Name
		LICATE- Other instr	uctions on re	verse s	side.	7. If Unit or (CA/Agreement, Name and/or No.
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	PURE ENERG	Y OPERATING, INC.				9. API Wel 30-005-0	
3a Address 153 Treeline Pari	c, Suite 220	San Antonio, TX 78209	3b. Phone No. (in 210-226-6700	HE	CEIVED	10. Field and	Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description)		MAF	1 5 2006		or Parish, State
660' FSL & 220 Sec 26 - T10S - R				UUU	ATTE	T	n ransı, stat
12.	CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NA	TURE (OF NOTICE, P	REPORT, OR	OTHER DATA
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Submit in duplicate to appropriate district office See Rule 401 & Rule 1122 State of New Mexico

Energy, Minerals and Natural Resources Department **OIL CONSERVATION DIVISION**

> P.O. Box 2088 Santa Fe, New Mexico 87504-2088

<u>)</u> gan Slisto

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Pure Energ	ry Group		<u></u>	<u></u>			r Unit Name : 26 Fed	30-005	-63800
Test Type	Initial			Special		Test De 04/26	ate 3/2006	Well No. #1	
Completion D	ate	Total Depth		Plug Back TD		Elevati	on	Unit Ltr - Sec	- TWP - Rge.
Mrch 18, 2	006	4600		4556		3741	•	Sec 26, T-10)S, R-25E
Csg. Size	Wt.	d	Set At	Perforation:				County	
5.500	15.50	5.000		From	5	O		Chaves	BEOF
Tbg. Size	Wt.	d	Set At	Perforation:				Pool	RECEIVE
2.375	4.700	1.995	4400	From 4	340 🤉	Co	4346	Aztec	MAY 1 7 2006
Type Well-Sir	gie-Braden	head-G.G. 0G.O.	Multiple		1	Packer Se	t At	Formation	
Single						n/	a	Abo [Zu Mas	
Producing The	u Re	ervoir Temp.F	M	ean Annual Temp.l	7 1	Baro. Pres	faure	Connection	
tubing		130		55	1	1:	5.02		l l
L	н	Gg	% CO2	% N_2	96 H	s	Prover	Meter Run	Taps
4343	4343	.672	.58	6.18			1		flange

				Flow Data			Tubing	Data	Casing	Data	
No.	() Line Size	Prove		Press. PSIG	Diff. b _w	Temp. F	Press. PSIG	Temp. F	Press. PSIG	Temp. F	Duration (HRS.)
Shu	t-in Press	ure		······································			425	70			24
1.	4.03	×	.22	150.00	8.00	60	378	83			1
2.	4.03	x	.25	150.00	16.00	61	353	84			1
з.	4.03	x	.28	150.00	28.00	63	327	86			1
4.	4.03	×	.30	150.00	44.00	64	306	87			1
					RAT	E OF FLOW	CALCULAT	IONS	 	·	······································

No	Coefficient (24 Hour)	V ^h w ^P m	Pressure P m	Flow Temp. FACTOR F	Gravity FACTOR F	Super Compress. FACTOR F	Rate of Flow (Q) MCFD
1.	9.890	36.335	165.0	1.0000	1.2199	1.0148	444.8
2.	9.890	51.385	165.0	.9990	1.2199	1.0147	628.4
Э.	9.890	67.976	165.0	.9971	1.2199	1.0145	829.6
4.	9.890	85.212	165.0	.9962	1.2199	1.0144	1038.9

No.	Pr	TEMP.	Tr	z
1.	.250	520	1.429	.9710
2.	.250	521	1.431	.9712
3.	.250	523	1.437	.9716
4.	.250	524	1.440	.9718

Gas-Liquid Hydrocarbon	Ratio			Mcf/bb
API Gravity of Liquid H	ydrocarbon	5		Deg.
Specific Gravity Separat	or Gar .6	72		
Specific Gravity Flowing	g Fluid		.672	
Critical Pressure	658	PSIA	658	PSIA
Critical Temperature	363	R	363	R

PC	- 440.0	$P_C^2 = 193$
No	Pw	Pw ²
1.	398.4	158

390.4	120	34.900
379.1	143	49.94
361.8	130	62.70
353.5	124	68.67

API Gravity of Liquid Hydr	rocarbon	3		Deg.
Specific Gravity Separator	Gar .6	72		
Specific Gravity Flowing F	luid		.672	
Critical Pressure	658	PSIA	658	PSIA
Critical Temperature	363	R	363	R

 $\frac{\frac{P_{C}^{2} - P_{W}^{2}}{34.908}}{\frac{49.942}{62.706}} \xrightarrow{(1)}{P_{C}^{2} - P_{W}^{2}} = \frac{2.820}{2.820} \xrightarrow{(2)} \left[\frac{P_{C}^{2}}{P_{C}^{2} - P_{W}^{2}} \right]^{n} = \frac{2.820}{2.820} \xrightarrow{(2)} \left[\frac{P_{C}^{2}}{P$

Absolute Open Flow	2929	Mcfd @ 15.025 Angle of Slope -	45.0	Slope, n 1.000
Remarks				
Approved By Division:	Conducted By: Well Testing	Calculated By: BPT System		Checked By:

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Well Testing TEST DATE: 04/26/2006

•

		100
	MN. 00000 	100 C (MCF/DAY)
Pure Energy Group	90 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

<u>istrict []</u> 301 W. Grand		NM 88240		hergy, M	State of New	Caterral Res	ourc	es			R	levised June 10, 2
istrict III 000 Rio Brazos		tesia, NM 882 ;, NM 87410	210	Oil	Conservați 20 South St				S	ubmit (to Appro	opriate District C 5 C
<u>vistrict IV</u> 220 S. St. Fran			505 E ST FO	RAL	Santa Fe A	AND AU	3)	RIZATIO	N TO	D TR		MENDED REP
¹ Operator	name and	Address		1	51 CI LI OL O	e la	/T	² OGRID N	umbe	r	36435	
PURE ENE	RGY OPI	ERATING,	INC.		1211016	81951		³ Reason for		g Cod	e/ Effect	ive Date
		150-	Nome D		ОРЕ АВО			NEW WEL	1/03-		6 Code 8	2730
⁴ API Numt 30 – 005-6		Poc	H NAME F	LCOSSL	OF E ADO							
7 Property (Code 2168	* Pro	perty Nan		ZTEC 26 FED	FRALCOM				" Well	Numbe	r I
	rface L	ocation		A	LIEC 20 TED							
Ul or lot no. N		Township 10S	Range 25E	Lot.Idn	Feet from the 660'	North/South SOUTH	h Line	Feet from th 2280'		ast/Wo	est line	County CHAVEZ
		ole Locati	ion	1	The second has	T BI - und AC - und	h 11m c	East from th			est line	County
UL or lot no.	Section 26	Township 10S	25E	Lot Idn	Feet from the 660'	SOUTH	n Ii n e	Feet from the 2280'		EST/		CHAVEZ
N 12 Lse Code		g Method Cod		Connection	¹⁵ C-129 Per	mit Number	16	C-129 Effectiv	ve Da	te	17 C-1	29 Expiration Da
III. Oil ¹⁸ Transp		s Transpo	i orters ansporter	Name		POD	21 0	G T		22 001) III CT	R Location
OGRI		1	and Addre	\$ \$							nd Desci	
14783	1	105	AVE ENE S. 4 ^{te} Sti Esia, NM	REET			G	660				L SEC. 26–10S-2 UNTY, NM
IV. Pr												
	oduced V		DD ULSTE	location	and Descripti							
²³ POD		²⁴ PC		R Location	and Descripti	on						
²³ POD V. Wel ²⁵ Spud 1 03-15-24	ll Compl Date 006		a y Date -2006		²⁷ TD 4600'	²⁴ PBT 4556	•	²⁹ Perfo	oratio	RS .		³⁰ DHC, MC
²³ POD V. Wel ²⁵ Spud J 03-15-2/ ³¹	ll Compl Date 006 Hole Size	etion Dat	a y Date -2006	Location	²⁷ TD 4600'	²⁴ PBT 4556			ratio	Q5	³⁴ Sac	³⁰ DHC, MC ks Cement
²³ POD V. Wel ²⁵ Spud J 03-15-2/ ³¹	ll Compl Date 006	etion Dat	a y Date -2006		²⁷ TD 4600'	²⁴ PBT 4556' ³³ D	•		ratio	as		
²³ POD V. Wel ²⁵ Spud J 03-15-2/ ³¹	ll Compl Date 006 Hole Size	etion Dat	a y Date -2006	ng & Tubi	²⁷ TD 4600'	²⁴ PBT 4556' ³³ D	, Nepth S		ratio	R S	6	ks Cement
²³ POD V. Wei ²⁵ Spud 1 03-15-21 31	II Compl Date 006 Hole Size 12-1/4 7-7/8	24 PC	a y Date -2006	ng & Tubi 8-5/8	²⁷ TD 4600'	²⁴ PBT 4556' ³³ D	, Nepth S 1000'		ratio	as	6	ks Cement 10 SX
²³ POD V. Wei ²⁵ Spud 1 03-15-21 31	II Compl Date 006 Hole Size 12-1/4 7-7/8 ell Test 1	24 PC	a y Date 2006 ³² Casia	sg & Tubi 8-5/8 5-1/2	²⁷ TD 4600'	²⁸ PBT 4556 ³ ³³ D	, <u>Pepth S</u> 1000' 4600'	jet	Tbg	as Pressi (50	6 11	ks Cement 10 SX 100 SX
²³ POD V. Wei ²⁵ Spad 1 03-15-21 31	U Comp Date 006 Hole Size 12-1/4 7-7/8 ell Test 1 w Oil	letion Dat ²⁴ Read 03-18-	a y Date 2006 ³² Casin ³² Casin very Date 2006	sg & Tubi 8-5/8 5-1/2	27 TD 4600' ng Size Test Date	²⁸ PBT 4556 ³ ³³ D	, hepth 5 1000' 4600' 4600'	jet	Tbg.	Press	6 11	ks Cement 10 SX 100 SX ⁴⁰ Csg. Pressu
²³ POD V. Wel ²⁵ Spad J 03-15-21 ³¹ ³¹ ³¹ ³⁵ Date Ne ⁴¹ Choke	II Compl Date 006 Hole Size 12-1/4 7-7/8 ell Test 1 w Oil Size ertify that i ed with an	24 PC 26 Read 03-18 03-18 03-18 03-18 03-18 03-18 42 C 0 0 the rules of t d that the im	a y Date 2006 ³² Casin very Date 2006 Dill the Oil Con formation g	12 5-1/2 5-1/2 37 (aservation is given above	²⁷ TD 4600' ng Size Test Date 33-18-06 ¹³ Water 0 Division have	²⁸ PBT 4556 ³ ³³ D	, hepth 5 1000, 4600, 4600, 1 t Leng 72 Gas 038	th 34 OIL CONSI	Tbg. 1 45 2 ERVA	Pressi 150 AOF 929		ks Cement 10 SX 100 SX ⁴⁰ Csg. Pressu 165 ⁴⁶ Test Metho FLWG
²³ POD V. Wei ²⁵ Spad I 03-15-21 ³¹ J VI. Wei ³¹ J ³¹	Il Comp Date 006 Hole Size 12-1/4 7-7/8 ell Test I w Oil Size ertify that t ed with an the best of Survey	24 PC 26 Read 03-18 03-18 03-18 03-18 03-18 03-18 42 C 0 0 the rules of t d that the im	a y Date 2006 ³² Casin very Date 2006 Dill the Oil Con formation g	12 5-1/2 5-1/2 37 (aservation is given above	²⁷ TD 4600' ng Size Test Date 33-18-06 ¹³ Water 0 Division have	²⁸ PBT 4556 ³ ³³ D	, hepth 5 1000, 4600, 4600, 1 t Leng 72 Gas 038	th 34 OIL CONSI BR	Tbg. 2 ERVA	Pressi 150 AOF 929 TTION		ks Cement 10 SX 100 SX ⁴⁰ Csg. Pressu 165 ⁴⁷ Test Metho FLWG
23 POD V. Wel 25 Spad I 03-15-21 31 J VI. Wel 53 Date Ne 47 I hereby co been complia complete to Signature: Printed name SHELLI FIN Title: REGULATC	U Comp Date 006 Hole Size 12-1/4 7-7/8 ell Test 1 w Oil Size ertify that 1 cd with an the best of UUU E: ICHER	24 PC letion Dat 26 Read 03-18 03-18 Data 36 Gas Deli 03-18 42 C 0 the rules of ti d that the imi- my knowled When t	a y Date 2006 ³² Casin very Date 2006 Dill the Oil Con formation g	12 5-1/2 5-1/2 37 (aservation in given above	²⁷ TD 4600' ng Size Test Date 33-18-06 ¹³ Water 0 Division have	²⁸ PBT 4556 ³ ³³ D ³⁴ Tes ³⁴ Tes ⁴⁴ 1 Approved by	, hepth 5 1000' 4600' t Leng 72 Gas 038	th 34 OIL CONSI BR	Tbg. 2 ERVA	Pressi 150 AOF 929 TTION		ks Cement 10 SX 100 SX ⁴⁰ Csg. Pressui 165 ⁴⁶ Test Methor FLWG NN
²³ POD V. Wel ²⁵ Spad 1 03-15-24 31 1 VI. Wel ³⁵ Date Ne ⁴⁷ I hereby ce been complic complete to Signature: Printed name SHELLI FIN Title:	Il Comp Date 006 Hole Size 12-1/4 7-7/8 ell Test I w Oil Size ertify that t ed with an the best of Example CHER ORY AGEI ess:	24 PC	a y Date 2006 ³² Casis ³² Casis very Date 2006 2016 2016 2016 2016 2016 2016 2017 2016 2016 2017 20	servation given abovief.	²⁷ TD 4600' ng Size Test Date 33-18-06 ¹³ Water 0 Division have	²⁸ PBT 4556 ³ ³³ D ³⁴ Tes 44 1 Approved by Title:	, hepth 5 1000' 4600' t Leng 72 Gas 038	th 34 OIL CONSI BR	Tbg. 2 ERVA	Pressi 150 AOF 929 TTION		ks Cement 10 SX 100 SX 40 Csg. Pressur 165 44 Test Methor FLWG NN NT LOGIST

9/6/2006

Wellbore Diagram

String Information

r263

AZTEC 26 FED COM No. 001

30-005-63800-00-00

Company Name: PURE ENERGY OPERATING, INC.

Location: Sec: 26 T: 10S R: 25E Spot:

Lat: 33.4110071785753 Long: -104.373541853181

Property Name: AZTEC 26 FED COM

County Name: Chaves

Cement Information



Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
0	0			
	A second s			

Formation Information

St Code	Formation	Depth
Psa	San Andres	703
Pgl	Glorieta	1244
Pabo	Abo	4082

Hole: Unknown

PBTD:

TD: TVD: 0

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