N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue

Artesia, NM 88210

Form 3160 -3 (April 2004)

UNITED STATES

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

Lease Serial No.	
	~

DEPARTMENT OF THE I BUREAU OF LAND MAN	5. Lease Serial No. NMLC065680			
APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tri	be Name		
Ia. Type of work: DRILL REENTE	7 If Unit or CA Agreement,	Name and No.		
lb. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well N WESTPAW 25 FEE	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
2 Name of Operator PECOS PRODUCTION COMPANY	215758		30 - 015 -	34133
3a. Address 400 W. ILLINOIS, SUITE 1070, MIDLAND TX 79701	3b. Phone No. (include area code) 432-620-8480 5 L	ragu	10. Field and Pool, or Explora	atory av-QU-GB 5764
4. Location of Well (Report location clearly and in accordance with any	ry State requirements.*)		11. Sec., T. R. M. or Blk. and	Survey or Area
At surface 330' FSL & 330' FEL	RECEIV	ED	SEC 25, T18S, R311	E
At proposed prod. zone SAME	MAY 2 4 7	2005	10.0	110.0
14. Distance in miles and direction from nearest town or post office* 10 MILES SOUTH OF MALJAMAR	OOD-VILL	ESIM	12. County or Parish EDDY COUNTY	13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330'	16. No. of acres in lease	17. Spacir	ng Unit dedicated to this well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 4500'	1	BIA Bond Nozon file	RECEIVED
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3675' GL	22. Approximate date work will sta Upon Approval	art*	23. Estimated duration 4 WEEKS	MAY 1 6, 2005 DID-MITTED
	24. Attachments		17 May 1/10	5.5 F
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be	attached to th	nis form:	· · · · · · · · · · · · · · · · · · ·
 Well plat certified by a registered surveyor. A Drilling Plan. 	4. Bond to cover Item 20 above).		ons unless covered by an existing	ng bond on file (see
3. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).		specific inf	Formation and/or plans as may l	pe required by the
25. Signature Wall Kaluel	Name (Printed/Typed) William R. Huck Date 0		03/15/2005	
Title VP- Engr & Operations				
Approved by (Signature) /S/ Joe G. Lara		e G.	Lara MA	Y 1 3 2005
NE FIELD MANAGER			FIELD OFFI	
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.			4.0.4	he applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as	rime for any person knowingly and to any matter within its jurisdiction.	willfully to 1	make to any department or age	ncy of the United

*(Instructions on page 2)

Capitan Centrolled Water Basin

WITNESS 85/8" Cement Job

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

79.5, Satt

DRILLING PROGRAM

Attachment to Form 3160-3 Pecos Production Company Westpaw 25 Federal No. 1 330' FSL & 330' FEL Section 25, T18S, R31E Eddy County, New Mexico

1. Geologic Name of Surface Formation

Quaternary Alluvium

2. Estimated Tops of Important Geological Formations

Top of Salt Section	950'
Base of Salt Section	2300'
Yates	2550'
Queen	3600'
San Andres	4450'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas

Water:

Approximately 200'

Oil:

3600', 4050', 4450'

No other formations are expected to yield oil, gas or fresh water in measurable volumes. Any surface fresh water sands will be protected by setting 8-5/8" casing at 650' and circulating cement back to surface. The Salt will be isolated with a 5-1/2" production casing string set through the San Andres @ approximately 4500' and cement circulated to surface.

4. Casing Program

Casing Flogram	850 121 25	Cinto Pa	itler Farma	tion (555)	
Hole Size	Interval	Casing	<u>Weight</u>	Grade	<u>Type</u>
11"	650	8-5/8"	24#	J-55	ST&C
7-7/8"	0' - 4500'	5-1/2"	15.5#	J -55	LT&C

Westpaw 25 Federal No. 1 **Drilling Plan** Page 2

Cementing Program*

850' ar 25' into Rustler Formation (555) 8-5/8" Surface Casing:

Cement to surface:

Slurry:

350 sxs Class C containing 0.25 pps Cello-flake. 2%

CaCl.

4500' 5-1/2" Production Casing

Lead Slurry:

50:50:10 Poz C containing 10% bentonite, 0.1% FLAC,

0.25 pps Cello-flake – or equivalent.

Tail Slurry:

50:50:2 Poz C containing 2% bentonite, 5% (bwow) salt,

0.25 pps Cello-flake – or equivalent.

5. Minimum Specifications for Pressure Control

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (3M system) double ram type preventor. This unit will be hydraulically operated. The BOP will be installed on the 8-5/8" surface casing and utilized continuously until total depth is reached. Prior to drilling out of the 8-5/8" casing shoe, the BOP will be pressure tested to 1000 psi.

Pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These function test will be documented on the daily driller's log. Other accessory BOP equipment will include a kelly cock, floor safety valve, choke lines and choke manifold having a 3000# WP rating.

6. Types and Characteristics of Proposed Mud System

This well will be drilled to total depth with fresh water, and cut brine/starch mud systems. Depths are as follows:

Depth	Type	Weight (ppg) Ustler Farmat	Viscosity	Water Loss
850	ur 25' into K	ustler tarmet	ion USS	
0'- 65 0'	Spud Mud	8.3 - 9.2	28 - 36	No control
650' - 2500'	Brine	10.0 - 10.3	29	No control
2500' - 4500'	Brine/Starch	10.0	32	10cc

7. Auxiliary Well Control and Monitoring Equipment

- A. A kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

^{*}Cement designs may change as hole conditions dictate.

Statement of the statem

UNITED STATES DEPARTMENT OF THE INTERIOR

Bureau of Land Management Roswell Field Office 2909 West Second Street Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name

Pecos Production Company

Street or Box

400 W. Illinois, Suite 1070

City, State

Midland, TX

Zip Code

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.:

NMLC065680

Legal Description of Land: 330' FSL & 330' FEL of Section 25, T18S-R31E

Formation (s) (if applicable):

Queen / Grayburg

Bond Coverage (State if individually bonded or another's bond):

\$25,000

Statewide (NM)

BLM Bond File No.: NMB000020

Authorized Signature: Lell A Such

Title: Vice President

Date:

3/15/04

BLOWOUT PREVENTOR ARRANGEMENT

11" DOUBLE RAM – 3000 psi WP 80 GALLON, 3 STATION ACCUMULATOR 3000 PSI CHOKE MANIFOLD

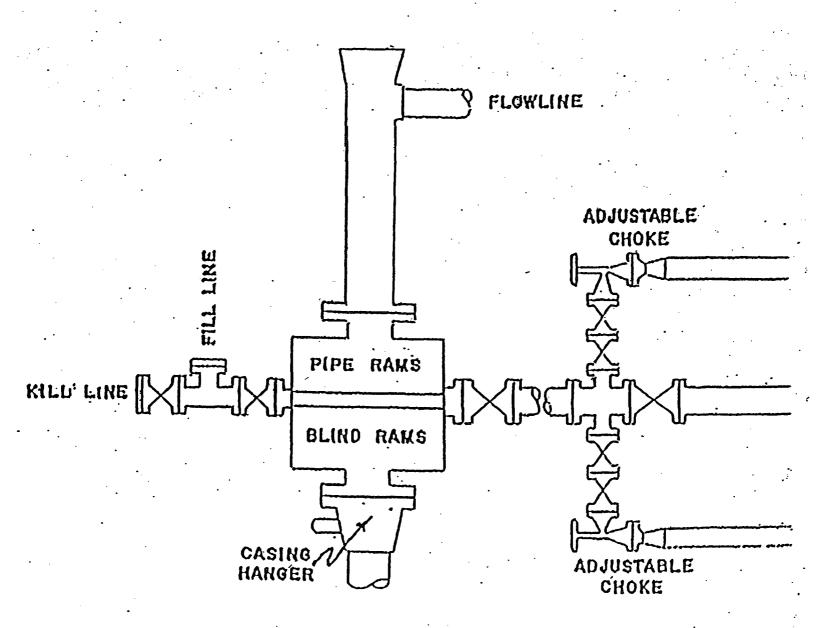


Exhibit #1
Pecos Production Company
Westpaw 25 Federal #1
330' FSL & 330' FEL
Sec 25, T18S, R31E
Eddy County, New Mexico

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Attachment to Exhibit #1
Attachment to Form 3160-3
Pecos Production Company
Westpaw 25 Federal No. 1
330' FSL & 330' FEL
Section 25, T18S, R31E
Eddy County, New Mexico

- 1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
- 2. Blowout preventor and all associated fittings will be in operable condition to withstand a minimum 2000 psi working pressure.
- 3. A full bore safety valve tested to a minimum 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
- 4. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
- 5. Will maintain a kelly cock attached to the kelly.
- 6. Hand wheels and wrenches will be properly installed and tested for safe operation.
- 7. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 68210

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

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

220 S. ST. PRANCIS DR., SANTA FR, NM 83	505 WELL EOCATION AINE	ACREAGE DEDICATION I LAT	□ AMENDED REPORT			
API Number	Pool Code	Pool Name				
	63680	Watkins; Yts-7RVS-QU-GB				
Property Code		Property Name WESTPAW 25 FEDERAL				
OGRID No. 215758		Operator Name PECOS PRODUCTION COMPANY				

Surface Location

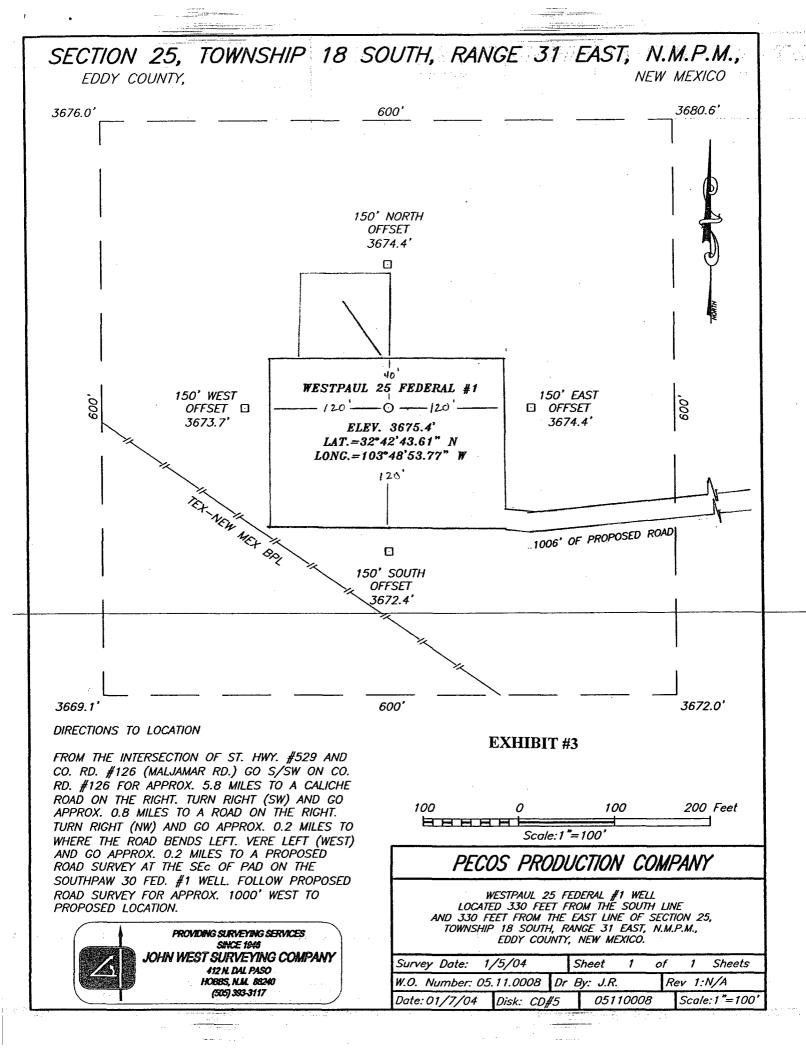
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	25	18-S	31-E		330	SOUTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	or Infill C	onsolidation	Code Or	der No.				-

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME Y=623167.7 N X=659446.7 E	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
LAT.=32°42′43.61″ N LONG.=103°48′53.77″ W	Llora Jyro Signature Dora Lara
	Printed Name Engr Asst Title 3-15-05 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of
3676.0'3680.6'	actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. JANUARY 5, 2005
3669.1' 3672.0'	Date Surveyed Signature & Seal of Professional Surveyor
	SEE DETAIL 330' Certificate No. CARY EIDSON 12841
EXHIBIT #2	



PECOS PRODUCTION COMPANY

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- 1. The hazards and characteristics of hydrogen sulfide (H2S).
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. Proper alarm response procedures and the proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- 3. The contents and requirements of the H2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

II. H2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S.

- 1. Well Control Equipment:
 - A. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - B. Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- 2. Protective Equipment For Essential Personnel:
 - A. Mark II Surviveair 30-minute units located in the dog house and at briefing areas, as indicated on well site diagram.
- 3. H2S Detection and Monitoring Equipment:
 - A. Minimum of 2- portable H2S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- 4. Visual Warning Systems:
 - A. Wind direction indicators as shown on well site diagram.
 - B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- 5. Mud Program:
 - A. The mud program has been designated to minimize the volume of H2S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.
 - B. If abnormal pressures anticipated. A mud-gas separator will be utilized.
- 6. Communication:
 - A. Cellular telephones in company vehicles.
 - B. Land line (telephone) communications at field office.
- 7. Well Testing:
 - A. Drill stem testing will be performed with a minimum number or personnel in the immediate vicinity which are necessary to safely and adequately conduct the test. If necessary the drill stem testing will be conducted during daylight hours. A thorough check of all monitors, safety equipment, and drill floor conditions will be made before all drill stem testing operations conducted in an H2S environment.
- 8. Alarm Response:
 - A. If, during any drilling or production operations, an alarm sounds, move immediately upwind of the source. Count heads before proceeding with assessment and corrective actions.