DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT II

DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised February 10,199

Instructions on bac

Submit to Appropriate District Offic

State Lease - 6 Copie

OIL CONSERVATION DIVISION P.O. Box 2088

1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV Santa Fe, Nev						ew Me			8			ease - 5 Copie ease - 5 Copie
P.O. Box 2088		IM 87504-2088 LICATION FO	R PERI	OT TIN	DRILL, RE-I	ENTE	R. I	DEEPEN. PL	LUGBACK, OF			ED REPORT
			or Name a								² OGRI	D Number
CHEVRON USA INC										4323		
15 SMITH R	rd, midlan	ND, TX 79705									3 API Nu 30-025	mber / -06902
· ·								perty Name Well No. TTERN (NCT-B) 5				ell No. /
7 Surface								· · · · · · · · · · · · · · · · · · ·		<u> </u>		
UI or lot no. O	Section 30	Township 21-S	Range Lot.ldn Feet From 810'			The	North/South Line Feet From The SOUTH 1980'		East/West Line County/ EAST LEA		County/ LEA	
		8	Propos	ed Bott	om Hole Loc	cation	If [Different From	n Surface			
UI or lot no.	Section	Township	Range	Lot.ldn	Feet From		-	rth/South Line	Feet From The	East/West Line County		County
		⁹ Proposed P	ool 1				l		¹⁰ Proposed Po	ol 2		
	P	PENROSE SKELLY	GRAYBUR	G								
¹¹ Work	Type Code	12	VellType Co	ode	13 Rotary o	r C.T.		¹⁴ Lea	se Type Code	¹⁵ Gro	und Level	Elevation
ļ	o exe	your	0	ROTAF			P 10 0 1		·	3487'		
iviuiu	ple 🔾 Vo	"	roposed De _l 3950'	pth ¹⁸ Formati GRAYBU				¹⁹ Contractor		²⁰ Spud Date 5/20/2006		
			2	1 Propo	sed Casing	and (Cen	nent Progran	n			
SIZE OF	HOLE	SIZE OF C	ASING	WEIGI	HT PER FOOT SETTING DEPTH		SACKS O	SACKS OF CEMENT EST. T		EST. TOP		
NO CHANGE												
	.,.									617 18 1	920	
								51617 1818 2027 51617 1818 2027 51617 1818 2027				
						ive zone.						
22 Describe the Describe the CHEVRON	proposed prog blowout prever U.S.A. INC	ram. If this application tion program, if any.	n is to DEEPE Use additiona DEEPEN A	N or PLUGE of sheets if no ND FRAC	BACK give the data ecessary.	on the pro	esent	productive zoneand	proposed new production of the production of the proposed new production of the produc	ve zone.	S qqo _l G GRESE	4 252 RVX
A PIT WILL	NOT BE U	SED FOR THIS	DEEPENI	NG. A ST	EEL FRAC TA	NK WII	LL B	E UTILIZED.	150	مانطا م	<u>د</u>	1.30
THE INTEN	DED PROC	CEDURE AND C	URRENT /	AND PRO	POSED WELL	BORE	DIA	GRAMS ARE A	ATTACHED FOR	YÔÙR APP	ROVÁL.	57
								Permit E	xpires 1 Yea Unless Drilli	ar From	Appro	val
								676659		répen	M ac est	
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.							OIL CONSERVATION DIVISION					
Signature Sense Jun Kerton							Approved By:					
Printed Name Denise Pinkerton							Title: PETROLEUM ENGINEE			NGINEER		
Title Regulatory Specialist							Approval WAY: 1 7 2006 Expiration Date:					
Date 5/10/2006 Telephone 432-687-7375							Conditions of Approval: _Attached □					

H. T. Mattern (NCT-B) # 5 Penrose Skelly Field T21S, R37E, Section 30

Job: <u>Drill Well Deeper To Lower Grayburg Formation And Frac Stimulate</u>

Procedure:

- 1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
- 2. MI & RU workover unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. Remove WH. Install BOP's and test to 1000 psi. POH LD 2 3/8" production tbg string. Note: Do not exceed 350 psi casing pressure due to cmt squeezed perfs from 3158-3618'.
- 3. PU 4 3/4" MT bit and GIH on 2 7/8" work string to approximately 3790'. MI & RU foam unit(s). LD and cleanout 4 3/4" open hole to original TD at 3800'. Drill well deeper to a new TD of 3950'. Circulate well clean from 3950'. POH with 4 3/4" MT bit and drill string. LD MT bit.
- 4. PU and GIH w/ 5 ½" Lok-Set pkr & On-Off tool w/ 2.25" "F" profile, 18 jts of 3 ½" EUE 8R L-80 tbg, 5 ½" hydraulic-set pkr, and 100 jts. of 3 ½" EUE 8R L-80 work string, testing to 8500 psi. Set Lok-Set pkr at 3650' and hydraulic-set pkr at 3100'. Pressure annulus to 500 psi to test csg and pkr. Install frac head. Leave pressure on csg during frac job to observe for communication.
- 5. MI & RU DS Services. Frac well down 3 ½" tubing at **40 BPM** with 88,000 gals of YF125, 176,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR1630 proppant. Observe a maximum surface treating pressure of **8000 psi**. Pump job as follows:

Pump 2,000 gals 2% KCL water containing 55 gals Baker RE 4777-SCW Scale Inhibitor

Pump 1,000 gals 2% KCL water spacer

Pump 14,000 gals YF125 pad containing 5 GPT J451 Fluid Loss Additive

Pump 14,000 gals YF125 containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 FL Additive

Pump 12,000 gals YF125 containing 1.5 PPG 16/30 mesh Jordan Sand

Pump 12,000 gals YF125 containing 2.5 PPG 16/30 mesh Jordan Sand

Pump 14,000 gals YF125 containing 3.5 PPG 16/30 mesh Jordan Sand

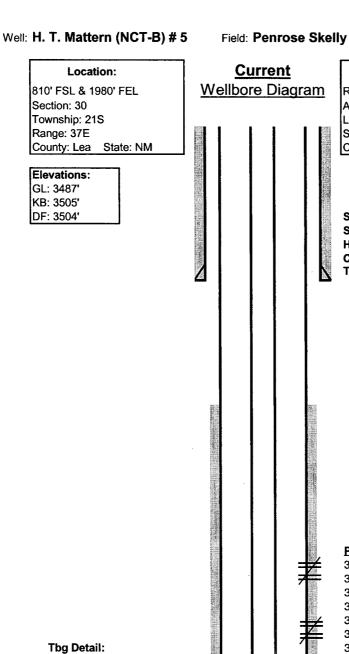
Pump 16,000 gals YF125 containing 4.5 PPG 16/30 mesh Jordan Sand

Pump 6,000 gals YF125 containing 5 PPG resin-coated 16/30 mesh CR1630 proppant.

Flush to 3650' with 1,336 gals WF125. <u>Do not overflush</u>. Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. Leave well SI overnight.

- 6. Open well. GIH and swab well until there is no sand inflow. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. Release pkr and POH with 3 ½" work string. Lay down work string and pkrs.
- 7. PU and GIH with 4 3/4" MT bit on 2 7/8" work string to 3950'. If fill is tagged, clean out to 3950' using 8.6 PPG cut brine water and air unit (if necessary). POH with 2 7/8" work string and bit. LD 2 7/8" work string and bit.
- 8. PU and GIH w/ Centrilift sub pump assembly, drain sub, 2 7/8" x 6' tbg sub, SN, and 116 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Suspend tbg with bottom of sub pump assembly at approximately 3650'.
- 9. Remove BOP's and install WH. RD & release pulling unit.
- 10. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH 5/8/2006



Well ID Info: Refno: FA7999 API No: 30-025-06902 L5/L6: U490300 Spud Date: 10/27/44

Compl. Date: 12/3/44

Surf. Csg: 9 5/8", 25.7#, SW Set: @ 294' w/ 175 sks Hole Size: 12 1/4" Circ: Yes TOC: Surface TOC By: Circulated

<u>Perfs</u> **Status** 3158-60' Eumont - Cmt Sqzd 3184-86' Eumont - Cmt Sqzd 3211-13' Eumont - Cmt Sqzd 3250-52' Eumont - Cmt Sazd 3272-74' Eumont - Cmt Sazd 3304-06' Eumont - Cmt Sqzd 3321-23' Eumont - Cmt Sqzd 3360-62' Eumont - Cmt Sqzd 3408-40' Eumont - Cmt Sqzd 3530-64' Eumont - Cmt Sqzd 3568-74' Eumont - Cmt Sqzd 3578-86' Eumont - Cmt Sqzd 3594-3618' Eumont - Cmt Sqzd

Prod. Csg: 5 1/2", 14#, SS & H-40 Set: @ 3673' w/ 200 sks

Hole Size: 6 3/4" Circ: No TOC: 2415' TOC By: Temperature Survey

4 3/4" Open-Hole **Production Interval** 3673-3800' (Grayburg)

COTD: 3800' **PBTD: 3800'** TD: 3800'

EOT @ 3766'

SN @ 3728'

2 3/8" OD EUE 8R J-55 mud jt.

1 jt. 2 3/8" EUE 8R J-55 IPC tbg

118 jts. 2 3/8" EUE 8R J-55 tbg

2 3/8" x 4' perf tbg sub

Updated: 5/8/06

By: A. M. Howell

Field: Penrose Skelly

Proposed

Wellbore Diagram

Well ID Info:

Reservoir: Grayburg

Refno: FA7999

API No: 30-025-06902 L5/L6: U490300 Spud Date: 10/27/44 Compl. Date: 12/3/44

Surf. Csg: 9 5/8", 25.7#, SW Set: @ 294' w/ 175 sks Circ: Yes TOC: Surface

Hole Size: 12 1/4" TOC By: Circulated

Tubing Detail:

#Jts:	Size:	<u>Footage</u>
	KB Correction	7.00
116	Jts. 2 7/8" J-55 Tbg	3588.00
	2 7/8" API S.N.	1.10
	2 7/8" x 10' J-55 Tbg Sub	10.00
	Centrilift Sub Pump	44.00
116	Bottom Of Mtr >>	3650.10

COTD: 3950'

Updated: 5/8/06

PBTD: 3950' TD: 3950'

Status Perfs 3158-60' Eumont - Cmt Sqzd 3184-86 Eumont - Cmt Sqzd 3211-13 Eumont - Cmt Sqzd 3250-52' Eumont - Cmt Sqzd Eumont - Cmt Sqzd 3272-74' 3304-06' **Eumont - Cmt Sqzd** Eumont - Cmt Sqzd 3321-23' 3360-62' Eumont - Cmt Sqzd 3408-40' Eumont - Cmt Sqzd **Eumont - Cmt Sqzd** 3530-64' 3568-74' Eumont - Cmt Sqzd 3578-86' Eumont - Cmt Sqzd

Prod. Csg: 5 1/2", 14#, SS & H-40

Eumont - Cmt Sqzd

Set: @ 3673' w/ 200 sks Hole Size: 6 3/4" Circ: No TOC: 2415' TOC By: Temperature Survey

3594-3618'

4 3/4" Open-Hole **Production Interval** 3673-3950' (Grayburg)

By: A. M. Howell

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719 DISTRICT III

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

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised February 10,199 Instructions on bac Submit to Appropriate District Offic State Lease - 4 Copie

Fee Lease - 3 Copie

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	Pool Code	³ Pool Name			
30-025-06902	50350	PENROSE SKELLY; GRAYBURG			
Property Code	·	erty Name	⁶ Well No.		
2682		TERN (NCT-B)	5		
OGRID Number	'	rator Name	⁹ Elevation		
4323		ON USA INC	3487'		

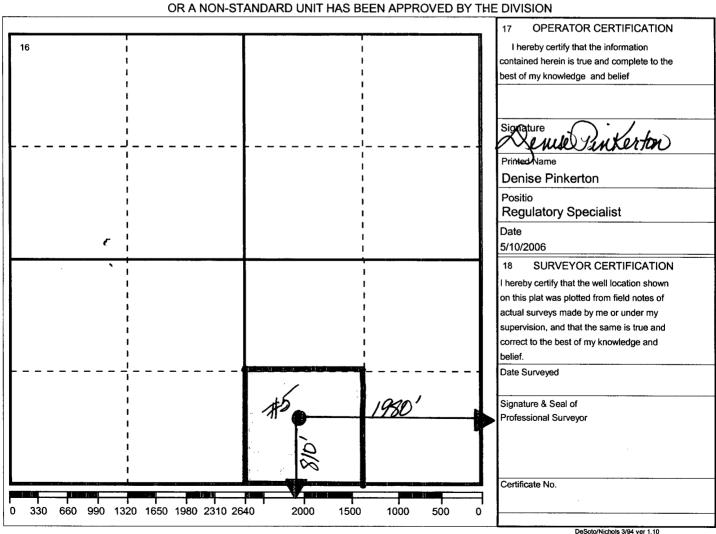
10 Surface Location

UI or lot no	Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
0	30	21-\$	37-E		810'	SOUTH	1980'	EAST	LEA

Bottom Hole Location If Different From Surface

Ul or lot no. Section	Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
12 Dedicated Acre 40	Joint or Infill	14	Consolidation	on Code 15 Ord	der No.			

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



Sent: Tue 5/16/2006 11:05 AM

The sender of this message has requested a read receipt. Click here to send a receipt.

Mull, Donna, EMNRD

From:

Phillips, Dorothy, EMNRD

To:

Mull, Donna, EMNRD

Cc:

Subject:

RE: Financial Assurance Requirement

Attachments:

All have blanket bonds and none of these appear on Jane's list.

From: Mull, Donna, EMNRD

Sent: Tuesday, May 16, 2006 8:41 AM

To: Phillips, Dorothy, EMNRD

Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD

Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Yates Petroleum Corp (25575)
Pogo Producing Co (17891)
Chevron USA Inc (4323)
Devon Energy Production Co LP (6137)
Cimarex Ennergy Co (215099)
BP America Production Co (778)
Mewbourne Oil Co (14744)
Occidental Permian Ltd (157984)

I have checked the Inactive well list and these Operators are OK there.

Please let me know. Thanks and have a nice day. Donna.