

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-37188
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil / Gas Lease No.
7. Lease Name or Unit Agreement Name MITTIE WEATHERLY
8. Well No. 8
9. Pool Name or Wildcat PENROSE SKELLY GRAYBURG
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3477' GL

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERM" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	
2. Name of Operator CHEVRON USA INC	
3. Address of Operator 15 SMITH RD, MIDLAND, TX 79705	
4. Well Location Unit Letter <u>C</u> : <u>1140'</u> Feet From The <u>NORTH</u> Line and <u>1690'</u> Feet From The <u>WEST</u> Line Section <u>17</u> Township <u>21-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3477' GL	

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: Add Perfs ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: C/O, ADD PERFS IN GRAYBURG & ACIDIZE ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

CHEVRON U.S.A. INC. INTENDS TO CLEANOUT THE WELLBORE, ADD PERFS IN THE GRAYBURG FORMATION AND ACIDIZE THE SUBJECT WELL.

THE INTENDED PROCEDURE, AND THE CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist DATE 6/15/2006
TYPE OR PRINT NAME Denise Pinkerton Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature] TITLE PETROLEUM ENGINEER
CONDITIONS OF APPROVAL, IF ANY:

DATE

JUN 27 2006

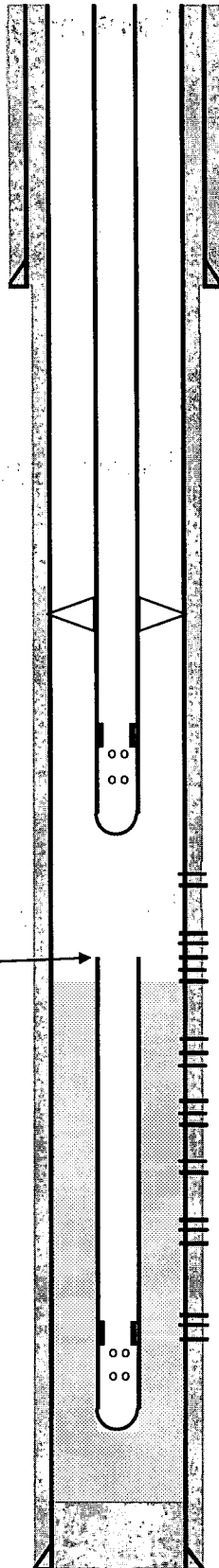
Well: **Mittie Weatherly # 8**Field: **Penrose Skelly**Reservoir: **Grayburg****Location:**

1140' FNL & 1690' FWL
 Section: 17
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3477'
 KB: 3488'
 DF: 3487'

Current
Wellbore Diagram

**Well ID Info:**

Chevno: HT0313
 API No: 30-025-37188
 L5/L6: UCU494020
 Spud Date: 9/12/2005
 Compl. Date: 10/28/05

Surf. Csg: 8 5/8", 24#, J-55**Set:** @ 441' w/ 550 sks**Hole Size:** 12 1/4"**Circ:** Yes **TOC:** Surface**TOC By:** Circulated**Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	11.00
101	Jts. 2 7/8" EUE 8R J-55 Tbg	3196.00
	TAC	3.15
12	Jts. 2 7/8" EUE 8R J-55 Tbg	372.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.00
	Bull Plug	0.50
115	Bottom Of String >>	3649.75

Top Of Fish @ 3772'

(Fish consists of 2 7/8" x 10' cut tbg jt,
 10 jts. 2 7/8" tbg, SN, Cavins Desander,
 2 jts. 2 7/8" tbg & dump valve. Fish
 contains 9 K-Bars & pump above SN.)

Perfs:

3697-3702'
 3715-19'
 3736-40'
 3756-60'
 3768-77'
 3792-3800'
 3802-08'
 3812-16'
 3826-32'
 3839-46'
 3849-58'
 3872-76'
 3882-91'
 3894-98'
 3908-12'
 3915-20'
 3922-28'
 3934-38'
 3945-48'
 3945-48'

Status:

Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
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 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open
 Grayburg - Open

COTD: 3772' (top of fish)
PBTD: 4273' (float collar)
TD: 4326'

Updated: 6/14/2006

By: A. M. Howell

Prod. Csg: 5 1/2", 15.50#, J-55**Set:** @ 4320' w/ 1100 sks**Hole Size:** 7 7/8"**Circ:** Yes **TOC:** Surface**TOC By:** Circulated

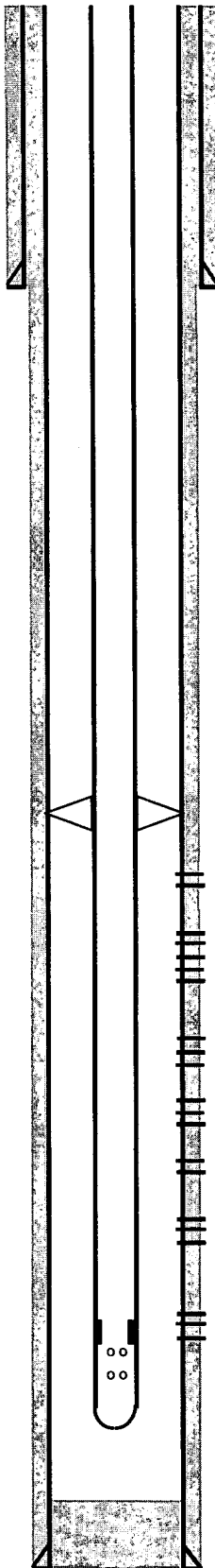
Well: **Mittie Weatherly # 8**Field: **Penrose Skelly**Reservoir: **Grayburg****Location:**

1140' FNL & 1690' FWL
 Section: 17
 Township: 21S
 Range: 37E
 County: Lea State: NM

Elevations:

GL: 3477'
 KB: 3488'
 DF: 3487'

Proposed
Wellbore Diagram

**Well ID Info:**

Chevno: HT0313
 API No: 30-025-37188
 L5/L6: UCU494010
 Spud Date: 9/12/2005
 Compl. Date: 10/28/05

Surf. Csg: 8 5/8", 24#, J-55

Set: @ 441' w/ 550 sks

Hole Size: 12 1/4"

Circ: Yes TOC: Surface

TOC By: Circulated

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
118	Jts. 2 7/8" EUE 8R J-55 Tbg	3658.00
	TAC	3.15
12	Jts. 2 7/8" EUE 8R J-55 Tbg	372.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.00
	Bull Plug	0.50
132	Bottom Of String >>	4111.75

Perfs:

Perfs:	Status:
3656-64'	Grayburg - Open
3676-80'	Grayburg - Open
3697-3702'	Grayburg - Open
3706-09'	Grayburg - Open
3715-19'	Grayburg - Open
3724-32'	Grayburg - Open
3736-40'	Grayburg - Open
3756-60'	Grayburg - Open
3768-77'	Grayburg - Open
3784-90'	Grayburg - Open
3792-3800'	Grayburg - Open
3802-08'	Grayburg - Open
3812-16'	Grayburg - Open
3826-32'	Grayburg - Open
3839-46'	Grayburg - Open
3849-58'	Grayburg - Open
3872-76'	Grayburg - Open
3882-91'	Grayburg - Open
3894-98'	Grayburg - Open
3908-12'	Grayburg - Open
3915-20'	Grayburg - Open
3922-28'	Grayburg - Open
3934-38'	Grayburg - Open
3945-48'	Grayburg - Open
3954-58'	Grayburg - Open
3962-68'	Grayburg - Open
3974-80'	Grayburg - Open

COTD: 4273'

PBSD: 4273' (float collar)

TD: 4326'

Updated: 6/14/2006

By: A. M. Howell

Prod. Csg: 5 1/2", 15.50#, J-55

Set: @ 4320' w/ 1100 sks

Hole Size: 7 7/8"

Circ: Yes TOC: Surface

TOC By: Circulated

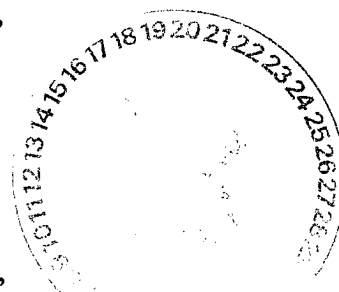
Mittie Weatherly # 8
Penrose Skelly Field
T21S, R37E, Section 17
WBS # UWDOL-R6249
Job: CO Wellbore, Add Perfs In Grayburg And Acidize



Procedure:

1. Install flowline. 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 casing with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. Install BOP's and test to 2000 psi. Release TAC and POH 2 7/8" tbg string. LD TAC.
3. PU & GIH with 4 1/2" toothed shoe (no carbide), 350' of 4 1/2" wash pipe, and bumper jars on 2 7/8" work string to 3750'.
4. MI&RU air unit. Establish circulation using foam. LD and wash over fish at 3772'. Wash out sand and fill down to 4120'. Circulate well clean from 4120' using foam. POH with 2 7/8" work string.
5. PU and GIH with 4 1/2" overshot (with grapple for catching 2 7/8" tbg body) and bumper jars on 2 7/8" work string to top of fish at 3772'. Engage fish and jar free if necessary. POH with 2 7/8" work string, bumper jars, overshot and fish. LD fish, overshot, bumper jars, and wash pipe.
6. PU and GIH with 4 3/4" MT bit and 2 7/8" work string to top of fill in 5 1/2" casing at 4120'. Establish circulation using foam. LD and clean out fill to PBTD at 4273'. Circulate well clean from 4273' using foam. POH with 2 7/8" work string and bit. LD bit. RD and release air unit.
7. MI & RU Baker Atlas electric line unit. Install lubricator and test to 2000 psi. GIH with 3 1/8" slick casing guns and perforate from 3656-64', 3676-80', 3706-09', 3724-32', 3784-90', 3954-58', 3962-68', and 3974-80' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit. **Note: Use collars from Baker Atlas GR/CBL/CCL Log conducted 10/3/2005 for depth correction.**
8. PU and GIH w/ 5 1/2" PPI pkr (with 10' element spacing) and SCV on 2 7/8" work string to approximately 3650'. Test tbg to 5500 psi while GIH.
9. MI & RU DS Services. Acidize perfs 3656-3980' with 7,300 gals anti-sludge 15% HCl acid * at a maximum rate **as shown below** and a maximum surface pressure of **3500 psi**. Spot acid to bottom of tbg at beginning of each stage. Pump job as follows:

Interval	Amt. Acid	Max Rate	PPI Setting
3974-80'	300 gals	1 BPM	3972-82'
3962-68'	300 gals	1 BPM	3960-70'
3954-58'	200 gals	1 BPM	3950-60'
3945-48'	200 gals	1 BPM	3940-50'
3934-38'	200 gals	1 BPM	3930-40'
3922-28'	300 gals	1 BPM	3921-31'
3915-20'	200 gals	1 BPM	3912-22'
3908-12'	200 gals	1 BPM	3904-14'
3894-98'	200 gals	1 BPM	3893-3903'
3882-91'	400 gals	1 BPM	3881.5-91.5'
3872-76'	200 gals	1 BPM	3870-80'
3849-58'	400 gals	1 BPM	3848.5-58.5'
3839-46'	300 gals	1 BPM	3838-48'
3826-32'	300 gals	1 BPM	3824-34'
3812-16'	200 gals	1 BPM	3810-20'
3802-08'	300 gals	1 BPM	3801-11'
3792-3800'	400 gals	1 BPM	3791-3801'
3784-90'	300 gals	1 BPM	3781-91'
3768-77'	400 gals	1 BPM	3767.5-77.5'
3756-60'	200 gals	1 BPM	3754-64'
3736-40'	200 gals	1 BPM	3733-43'
3724-32'	400 gals	1 BPM	3723-33'
3715-19'	200 gals	1 BPM	3712-22'
3706-09'	200 gals	1 BPM	3703-13'
3697-3702'	200 gals	1 BPM	3694-3704'
3676-80'	200 gals	1 BPM	3672-82'
3656-64'	400 gals	1 BPM	3655-65'



Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note:** Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 2000 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.

* Acid system is to contain:

1 GPT A264
8 GPT L63
2 PPT A179
20 GPT U66
2 GPT W53

Corrosion Inhibitor
Iron Control Agent
Iron Control Aid
Mutual Solvent
Non-Emulsifier

10. Release PPI pkr and PUH to approximately 3625'. **Wait 2 hours for acid to spend.** Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well

in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**

11. Open well. MI & RU pump truck. Pump down tbg with 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water at **5 BPM** and **2500 psi maximum pressure**. RD and release pump truck. Release PPI pkr. POH with 2 7/8" work string. LD PPI packer and 2 7/8" work string.
12. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 2 jts. 2 7/8" EUE 8R J-55 IPC tbg, 14 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 116 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3600', with EOT at 4143' and SN at 4085'.
13. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.
14. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
6/15/2006

