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-101
Revised February 10,199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 6 Copie
Fee Lease - 5 Copie
☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address	2 OGRID Number
CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705	4323
	3 API Number 30-025-30317

4 Property Code	5 Property Name	6 Well No.
29920	C.H. WEIR 'B'	10

7 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
I	11	20S	37E		1790	SOUTH	410	EAST	LEA

8 Proposed Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

9 Proposed Pool 1	10 Proposed Pool 2
SKAGGS PENROSE SKELLY GRAYBURG	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
E - Re-enter	O	R	P	3583 KB
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	7150'	GRAYBURG		7/30/2005

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11.75"	42#	1455'	1100 SX, CIRC	
11"	8.625"	32#	3998'	1400 SX, CIRC	
7.875"	5.5"	15.5#	7200'	1700 SX, CIRC	

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zoneand proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON U.S.A. INC. INTENDS TO RE-ENTER THIS PLUGGED AND ABANDONED WELL AND RECOMPLETE THE WELL TO THE GRAYBURG RESERVOIR. A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

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

THE INTENDED PROCEDURE IS ATTACHED FOR YOUR APPROVAL AS WELL AS THE C-102 PLAT.

JUL 2005 Received Hobbs OCD

Permit Expires 1 Year From Approval
Date Unless ~~Drilling~~ Underway
Re-Entry

23 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.

Signature Denise Pinkerton

Printed Name Denise Pinkerton

Title Regulatory Specialist

Date 7/12/2005 Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approval Date: JUL 14 2005 Expiration Date:

Conditions of Approval: Attached ☐

DeSoto/Nichols 3-94 ver 1.10

Weir, CH B #10

Location:

1790 FSL 410 FEL, Sec11, T-20S, R-37E	
Unit Letter:	I
Field:	Skaggs Abo
County:	Lea
State:	NM
Area:	Hobbs

Well Info:

Spud Date:	4/13/88
Comp. Date:	5/12/88
API:	30-025-30317
RefNO:	IN4687
Status:	PA'd
Lease:	FEE

Current
Wellbore Diagram

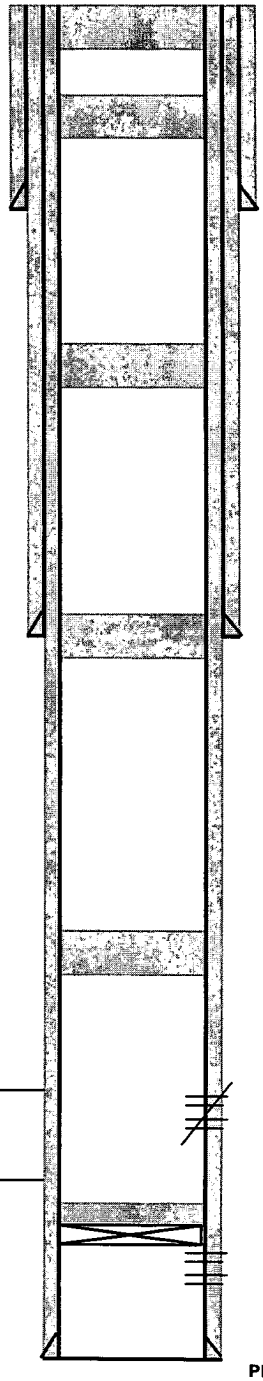
Elevations

DF:	
KB:	3583'
GL:	3571

Tbg Detail:

Formation tops

Glorieta	5200'
Blinebry	5750'
Tubb	6275'
Drinkard	6585'
Abo	6900'



40 sx cmt plug @ Sur-300'

30 sx cmt plug @ 1250'-1550'

Surface Casing
Size: 11 3/4"
Set: @ 1455'
With: 1100sx
Hole Size: 15"
Circ: yes
TOC @ Surface
Wt: 42# H40

25 sx cmt plug @ 2500'-2700'

Intermediate Casing
Size: 8 5/8"
Set @: 3998'
With: 1400sx
Hole Size: 11"
TOC: surface
Wt: 32# J-55

25 sx cmt plug @ 3900'-4100'

Production Casing
Size: 5 1/2"
Set @: 7200'
With: 1700sx
Hole Size: 7 7/8"
TOC: surface
Wt: 15.5# J-55

25 sx cmt plug @ 5100'-5300'

Perfs:

5/4/88 [6644-54,62-67,76-91,95-6700,6704-34]
70 int, 140 holes, 2spi

5/3/88 [90-6805,10-15,27-45,51,56,63-68,72-79]
112 holes, 2spi

(squeezed 9/96)

CIBP @ 7000' w/ 207' cmt

9/11/1996 [7066-72, 7166-22, 7126-32]
120 degree phasing, 2jspf
18' net, 36holes

Updated: 30-Jun-05
By: Keith Lopez

PBTD: 7150'
TD: 7200'

Weir, CH B #10

Location:

1790 FSL 410 FEL, Sec11, T-20S, R-37E	
Unit Letter:	I
Field:	Skaggs Abo
County:	Lea
State:	NM
Area:	Hobbs

Well Info:

Spud Date:	4/13/88
Comp. Date:	5/12/88
API:	30-025-30317
RefNO:	IN4687
Status:	RP
Lease:	FEE

Proposed
Wellbore Diagram

Elevations

DF:	
KB:	3583'
GL:	3571

Tbg Detail:

Grayburg Perfs	Status
3750-4000	Open

Formation tops

Glorieta	5200'
Blinebry	5750'
Tubb	6275'
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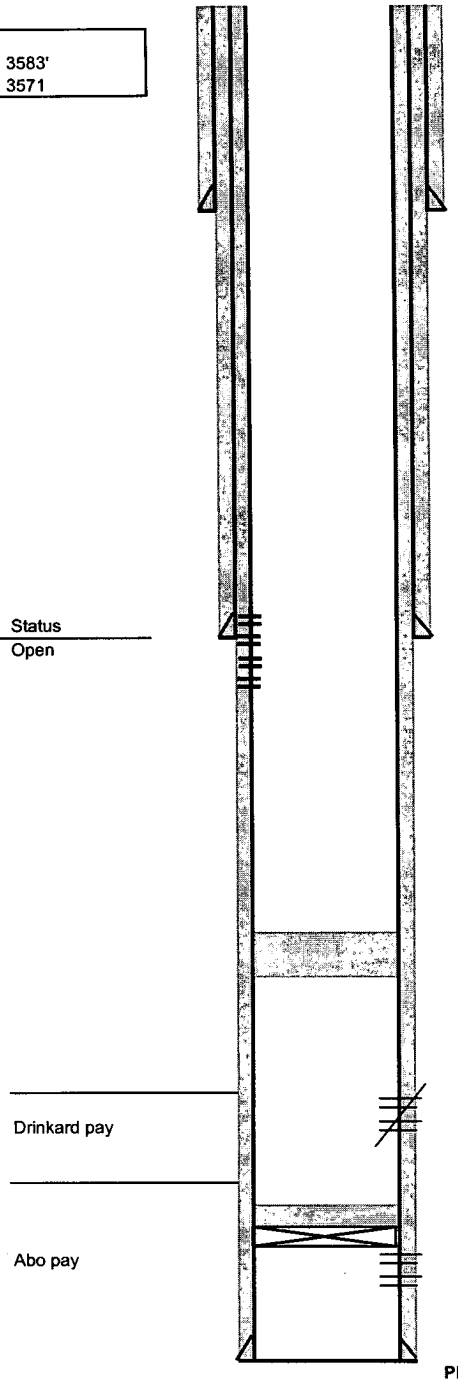

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CIBP @ 7000' w/ 207' cmt

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120 degree phasing, 2jspf
18' net, 36holes

Updated: 30-Jun-05
By: Keith Lopez

PBTD: 7150'
TD: 7200'

CH Weir B #10 7/6/2005
API #30-025-30317
1790' FSL & 410' FEL
S11, T20S, R37E
Skaggs Grayburg
Lea County, New Mexico

PROCEDURE

Use 8.6 ppg brine water.

1. **Complete if applicable:** Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.

2. Repair well location & lease road. Dig out around cut off csg strings. Weld on new csg and tubing heads.

3. MIRU Key PU & Smith RU. Install BOP's & EPA equipment. Test BOP when possible. PU 4-3/4" bit, DC's, and 2-7/8" WS. Establish reverse circulation & dill out 40 sx cement plug at surface. Also drill out plug from 1250'-1550', plug from 2500'-2700', and plug from 3900'-4100'. RIH & tag PBTD (approximately 5100'). Circulate hole clean. Test csg to 500#. POOH & LD bit & DC's.

4. MIRU WL. Run GR/CPNL/CCL log from PB (5100') to surface tied back to McCullouph's GR Borehole Compensated Neutron Log dated 5/2/88. Fax log to Midland for perf picking. Run CBL/CCL log from 5000' to 100' above cement top tied back to previously **run** log. Check cement bond quality across completion interval. If cement bond does not look adequate, discuss squeezing options with engineer.

5. Perforate picked intervals with 4" Predator guns loaded w/ 4 JSPF, 120 degree phasing and premium charges tied back to previously run log. RD Baker Atlas WL.

6. RIH w/ 5-1/2" PPI packer w/ SCV and spacing element (spacing will depend on perf intervals picked). Test 2-7/8" WS to 4500 psi while RIH. Test PPI packer in blank pipe. Mark settings.

7. MIRU DS. Acidize perfs w/ 3,000 gals 15% NEFE HCl acid at a max rate of ½ BPM & 4000 psi surface pressure as follows: (settings will be determined with perfs)

   Displace acid w/ 8.6# brine to top perf. Record ISIP, 5, and 10 SIP. RD DS. **If communication occurs during treatment, attempt to put away stage without exceeding 1000 psi csg pressure. If stage can not be completed move to next and combine stage volumes.**

8. SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering. If excessive water is produced, selectively swab perf intervals as discussed w/ engineer.

9. POOH w/ PPI and LD. RIH w/ 5-1/2" frac pkr, on/off tool and profile on 3-1/2" WS testing to 8500 psi while RIH. Set packer @ +/- 3650'. Install frac head. Pressure test BS to 750 psi. Hold 700 psi on BS during frac job and observe for communication.

10. MIRU DS. Frac well down 3-1/2" tubing at **40 BPM** w/ 84,000 gals of YF130, 160,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR4000 proppant. Max treating pressure 8000 psi. **Tag Frac using 3 isotopes (1st in .5 ppg pad stage, 2nd in body of sand, 3rd in resin stage).** Pump job as follows:

    Pump 2,000 gals 2% KCl water containing 110 gals Baker SCW-358 Scale Inhibitor
    Pump 1,000 gal 2% KCl water spacer
    Pump 14,000 gals YF130 pad containing 5 GPT J451 Fluid Loss Additive
    Pump 14,000 gals YF130 pad containing 0.5 PPG 16/30 mesh Jordan Sand & 5 GPT J451 Fluid Loss Additive
    Pump 12,000 gals YF130 containing 1.5 PPG 16/30 mesh Jordan Sand
    Pump 12,000 gals YF130 containing 2.5 PPG 16/30 mesh Jordan Sand
    Pump 12,000 gals YF130 containing 3.5 PPG 16/30 mesh Jordan Sand
    Pump 14,000 gals YF130 containing 4.5 PPG 16/30 mesh Jordan Sand
    Pump 6,000 gals YF130 containing 5 PPG resin-coated 16/30 mesh CR1630 proppant

    Flush to top perf. **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP. RD DS. SION. RD DS.

11. Open well and bleed off any pressure. Release packer and POOH. RIH w/ 4-3/4" bit to 4500'. POOH & LD bit. RIH w/ 5-1/2" pkr w/ on/off tool and profile. Set pkr @ +/- 3650'. RU swab and swab well checking for sand inflow. Discuss results w/ engineer. RD swab.

12. MIRU Logging Truck and conduct after Frac Log across completion interval. RD Logging truck.

13. MIRU pump truck. Pump down tbg w/ 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 @ 5 BPM & 2500 psi max pressure. RD pump truck. POOH & LD WS & PPI pkr.

14. RIH w/ 2-7/8" production tbg & hang off as per ALS recommendation. NDBOP NUWH.

15. RD Key PU & Smith RR. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

Engineer - Keith Lopez
432-687-7120 Office
432-631-3281 Cell
303-949-3021 Home

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State of New Mexico
Energy, Minerals and Natural Resources Department

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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	2 Pool Code	3 Pool Name
30-025-30317	~~50350~~ 57380	Skaggs ~~PENROSE SKELLY~~ GRAYBURG

4 Property Code	5 Property Name	6 Well No.
29920	C.H. WEIR 'B'	10

7 OGRID Number	8 Operator Name	9 Elevation
4323	CHEVRON USA INC	3583 KB

10 Surface Location

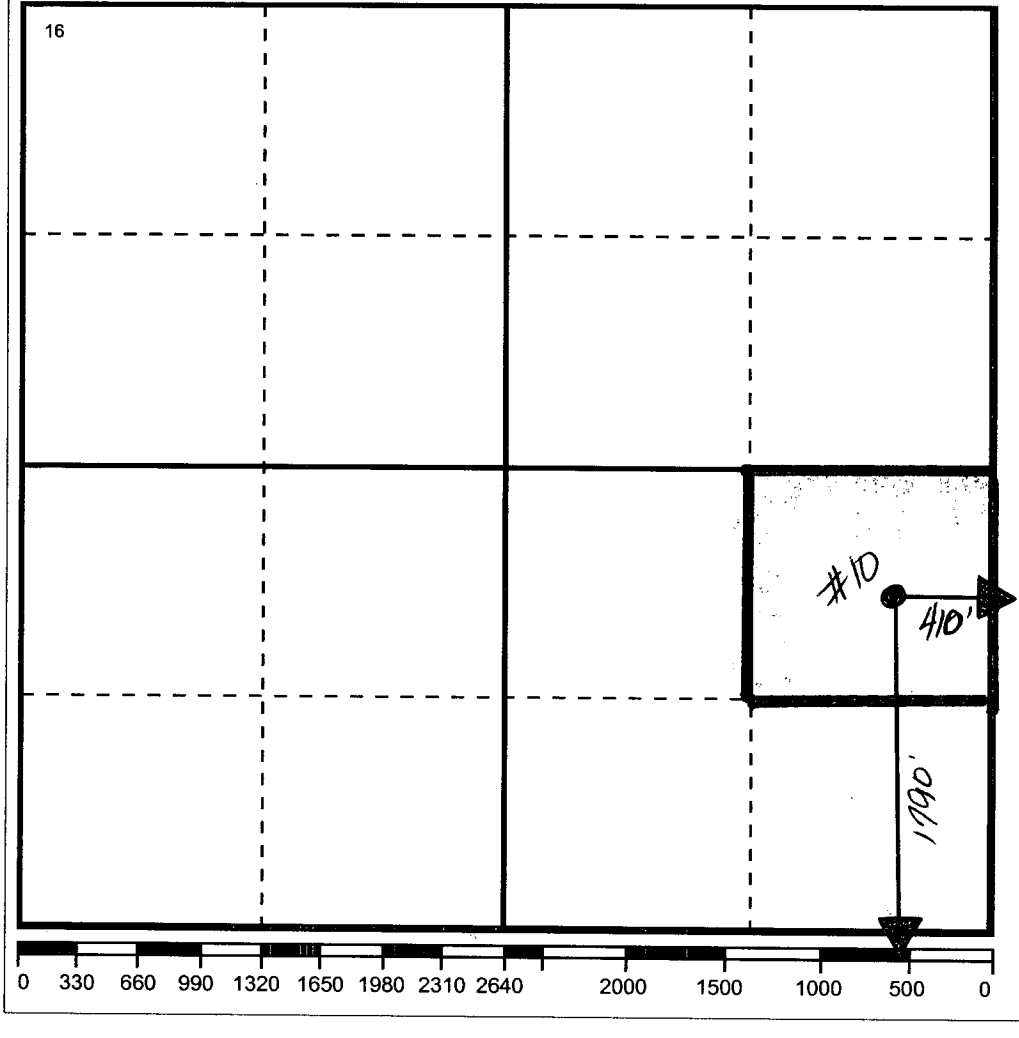
Ul or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
I	11	20S	37E		1790	SOUTH	410	EAST	LEA

11 Bottom Hole Location If Different From Surface

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Dedicated Acre	13 Joint or Infill	14 Consolidation Code	15 Order No.
40	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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and ~~belief~~

Signature: Denise Pinkerton

Printed Name: Denise Pinkerton

Positio: Regulatory Specialist

Date: 7/12/2005

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

DeSoto/Nichols 3/94 ver 1.10