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 30-025-30623

4 Property Code	5 Property Name	6 Well No.
29957	L.R. KERSHAW	13

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
D	13	20-S	37-E		330	NORTH	330	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
MONUMENT TUBB	

11 Work Type Code	12 WellType Code	13 Rotary or C.T.	14 Lease Type Code	15 Ground Level Elevation
A	G		P	
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
No	7150'	TUBB		

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
NO CHANGE					

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 RECOMPLETE THE SUBJECT WELL FROM THE SKAGGS DRINKARD POOL TO THE MONUMENT TUBB POOL. UPON COMPLETION, BOTH ZONES WILL BE DOWNHOLE COMMINGLED. (DHC INFO IS ATTACHED).

A PIT WILL NOT BE USED FOR THIS RECOMPLETION. A STEEL FRAC TANK WILL BE UTILIZED.

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

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Adding

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: 8/23/2006 Telephone: 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: PETROLEUM ENGINEER

Approval Date: AUG 30 2006 Expiration Date:

Conditions of Approval:
Attached ☐

DeSoto/Nichols 3-94 ver 1.10

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-30623	47090	Monument Tubb

[4] Property Code	[5] Property Name	[6] Well Number
	Kershaw, LR	13

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	Chevron Corporation	3553' GL

[10] Surface Location

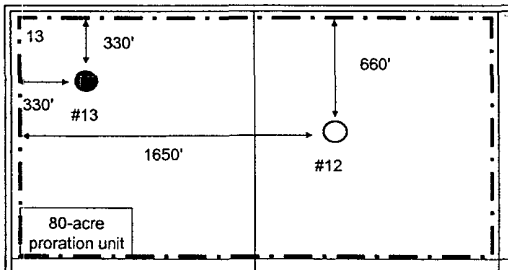
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	20S	37E		330'	North	330'	West	Lea

[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 Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
80			

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



13

17

OPERATOR CERTIFICATION

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

Signature

Keith Lopez

Printed Name

Petr. Engineer

Title

August 15, 2006

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 belief.

Signature and Seal of Professional Surveyor:

Certificate Number

LR Kershaw #13 **8-15-2006**
Monument Tubb Field
Section 13, T20S, R37E, Unit D
Lea County, NM
30-025-30623

Tubb Completion Procedure (use 2% KCl FW for all fluids put on well):

1. 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. MIRU Key PU & RU. Catch/fish plunger out of well. Bleed pressure from well & kill down casing with 2% KCl water. NDWH NUBOP. Test BOP to 1,000 psi when possible. Release Loc Set Pkr and POOH w/ 2-7/8" Tbg (see Tbg Detail). Send tbg & rods in for inspection.

3. PU and GIH w/ 4-3/4" MT bit on 2-7/8" WS to 6960' (PBTD). POOH & LD bit.

4. MIRU WL and RIH w/ 10K composite plug. Set @ 6590'.

5. RIH w/ GR & 3-1/8" slick guns loaded w/ 23 gram charges 2 JSPF w/ 120° phasing tied back to Halliburton's Compensated Density Dual Spaced Neutron Log dated 7/1/1989 as follows:

Top Perf	Bottom Perf	Net Feet	Total Holes
6311	6345	34	68
6367	6395	28	56
6405	6420	15	30
6433	6459	26	52
6466	6499	33	66
6518	6525	7	14

6. RIH w/ 5-1/2" treating pkr on 2-7/8" WS to 6200' testing tubing to 4500 psi. Set pkr and test backside to 500 psi.

7. MIRU DS acid truck. Pump 4,000 gals 15% NEFE anti-sludge HCl acid at a max rate of 6 BPM and max treating pressure of 4,500 psi dropping 350 1.3 SG 7/8" ball sealers evenly spaced throughout job. Displace with 2% KCl water – do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's.

   Note: Pickle tubing before acid job if rep determines necessary.

8. Release pkr and RIH to 6535' to knock balls off perfs. PU to 6250' and set pkr. Test backside to 500 psi. RU swab and swab at least 1 hr. Report recovered fluid volumes, pressures, and fluid levels. MIRU WL. Install lubricator and test to 2000 psi. RIH with BHP bomb with 3000 psi element and 72 hour clock and hang off in pkr. **Bomb should be in place for a minimum of 24 hrs.**

9. POOH w/ pressure bomb and WL. RD WL. Release pkr and POOH.

10. RIH w/ 5-1/2" pkr on 3-1/2" frac string testing to 8,500 psi. Set pkr @ +/- 6200'. Load and test BS to 500 psi and hold on BS to watch for communication.

11. MIRU DS. Frac well down 3-1/2" tubing at 30 BPM w/ 73,000 gals of 50 Quality WF150 Foam, and 193,250 lbs. 20/40 mesh Jordan. PropNet will be pumped with the last 33,000 lbs 20/40. **Ensure extra PropNet is brought to location incase it is needed.** Max treating pressure 8500 psi. Pump job as follows:

    Pump 7,000 gal 50 Quality WF150 pad
    Pump 1,000 gal 50 Quality WF150 pad containing .5 PPG 20/40 mesh Jordan
    Pump 5,000 gal 50 Quality WF150 pad
    Pump 1,500 gal 50 Quality WF150 pad containing 1 PPG 20/40 mesh Jordan
    Pump 5,000 gal 50 Quality WF150 pad
    Pump 1,500 gal 50 Quality WF150 pad containing 1.5 PPG 20/40 mesh Jordan
    Pump 7,000 gal 50 Quality WF150 pad

    Pump 3,000 gal 50 Quality WF150 containing 1 PPG 20/40 mesh Jordan
    Pump 5,000 gal 50 Quality WF150 containing 2 PPG 20/40 mesh Jordan
    Pump 8,000 gal 50 Quality WF150 containing 3 PPG 20/40 mesh Jordan
    Pump 8,000 gal 50 Quality WF150 containing 4 PPG 20/40 mesh Jordan
    Pump 9,000 gal 50 Quality WF150 containing 5 PPG 20/40 mesh Jordan
    Pump 9,000 gal 50 Quality WF150 containing 6 PPG 20/40 mesh Jordan (start pumping PropNet w/ 2,000 gals left in stage)
    Pump 3,000 gal 50 Quality WF150 containing 7 PPG 20/40 mesh Jordan w/ Prop Net

    Flush to 6311'. **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP. RD DS. Well should be ready to flowback over-night if possible.

12. Open well and flowback or swab in as necessary until well cleans up and a stabilized flow rate is obtained. Report recovered fluid volumes, pressures, and fluid levels.

13. Release Pkrs and POOH. RIH w/ 4-3/4" bit on WS to 6590' (CP). Drill out composite plug using air unit if necessary. POOH w/ bit.

14. RIH w/ production tbg as per ALS recommendation. NDBOP NUWH. RIH w/ rods and pump as per ALS recommendation or swab well in if no PU is available.

15. Turn well over to production.

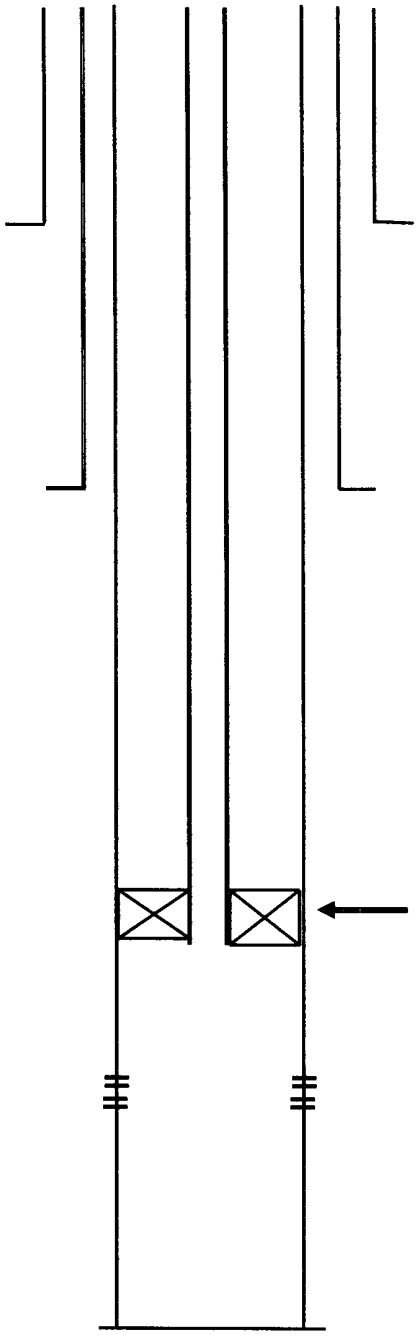
Engineer -- Keith Lopez
432-687-7120 Office
432-631-3281 Cell
432-661-6156 Home

Well: **L R Kershaw #13** Field: **Skaggs Drinkard** Reservoir: **Drinkard**

Location: 330' FNL 330' FWL
Unit D
Section: 13
Township: 20S
Range: 37E
County: LEA, NM.

Elevations:
GL: 3553'
DF:
KB:

Current
Wellbore Diagram



Well ID Info: PL
Refno: IT2359
API No: 30-025-30623
L5/L6: L211100
Spud Date:
Compl. Date:
Well Bore # 428668

Surf. Csg:
Size 11 3/4"
Weight 47#
Set: @ 1423'
With: 1100 SXS CMT
Hole Size: 14-3/4"
Circ: YES
TOC @

Int. Csg:
Size 8 5/8"
Weight 32#
Set: @ 3995'
With: 1200 SXS CMT
Hole Size: 10-5/8"
Circ: YES
TOC @

Drinkard

Perfs:	Status
6618'--6860	OPEN

Prod. Csg:
Size 5 1/2"
Weight 17 & 15.5#
Set @ 7150'
With: 1500 SXS CMT
Hole Size: 7-7/8"
Circ: YES
TOC @

Updated: 15-Aug-06
By: LOPK

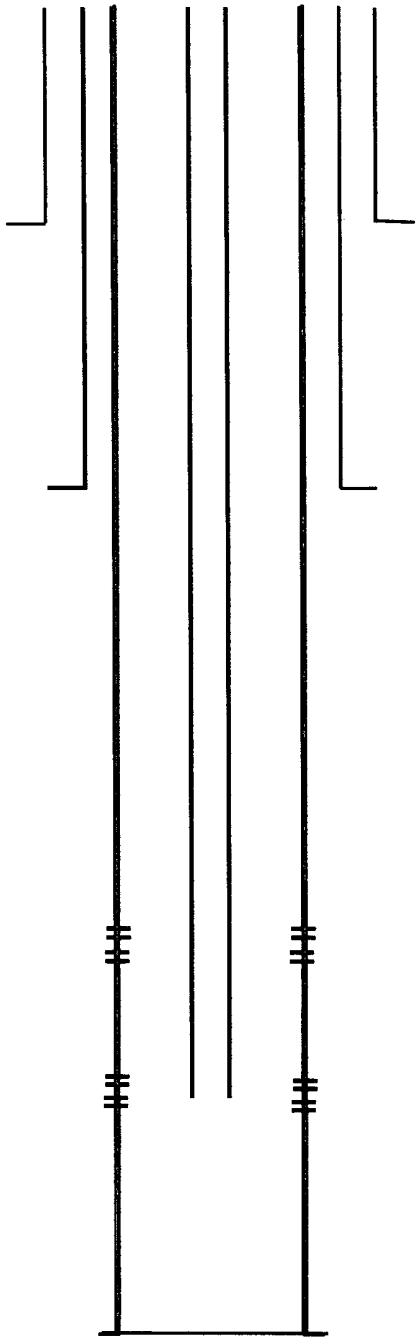
PBTD: 6960'
TD: 7150'

Well: **L R Kershaw #13** Field: **Monument Tubb/Skaggs Drinkard** Reservoir: **Tubb/Drinkard**

Location: 330' FNL 330' FWL
Unit D
Section: 13
Township: 20S
Range: 37E
County: LEA, NM.

Elevations:
GL: 3553'
DF:
KB:

Proposed
Wellbore Diagram



Well ID Info: PL
Refno: IT2359
API No: 30-025-30623
L5/L6: UCU939700
Spud Date:
Compl. Date:
Well Bore # 428668

Surf. Csg:
Size 11 3/4"
Weight 47#
Set: @ 1423'
With: 1100 SXS CMT
Hole Size: 14-3/4"
Circ: YES
TOC @

Int. Csg:
Size 8 5/8"
Weight 32#
Set: @ 3995'
With: 1200 SXS CMT
Hole Size: 10-5/8"
Circ: YES
TOC @

Tubb

Perfs:	Status
6311'--6525	OPEN

Drinkard

Perfs:	Status
6618'--6860	OPEN

Prod. Csg:
Size 5 1/2"
Weight 17 & 15.5#
Set @ 7150'
With: 1500 SXS CMT
Hole Size: 7-7/8"
Circ: YES
TOC @

Updated: 15-Aug-06
By: LOPK

PBTD: 6960'
TD: 7150'

Tubing Landing Details

Tubing Detail						
Jts.	Description	Ref. #	O.D.	I.D.	Length	Depth
	Original KB to Tubing Head Flange					0.00
212	JTS TBG 8RD EUE 6.5# J-55		2.875	2.441	6525.65	0.00
1	LOCK SET PKR			2.441	4.60	6525.65
1	SN		2.875	2.225	1.10	6530.25
						6531.35
	Rod Detail					
						0.00

Physical Inventory								
Ref. #	To Location	Cond.	Rec. Doc.	Installed in Well	Cond.	Balance	Cond.	ELP - 400

CASING/LINER CEMENT DETAILS:

CEMENT CO.:		CMT PMP RATES:		EST. TOC:				
RETURNS ON JOB?		HOLE SIZE:		CSG RECIPROCATED:				
SPACER TYPE & VOL.		PLUG BUMPED?						
CASING SET @ TVD:		SPACER TYPE & VOL:						
CEMENT	**SACKS**	**TYPE**	**ADDITIVES**	**YIELD**	**PMP TIME**	**COMP STR @12**	**WL**	**WT PPG**
LEAD:								
TAIL:								
REMARKS:								

Details:		String:	WBS:	UCL211100		Page:	1 OF 1
Rep:	Felix Trevino	Field:	SKAGGS: DRINKARD	Lease:	L R KERSHAW	Well #: 13	Date: 9/5/1997