

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-06705
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name C.L. HARDY
8. Well Number: 4
9. OGRID Number 4323
10. Pool name or Wildcat PENROSE; SKELLY GRAYBURG

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Chevron USA INC	
3. Address of Operator 6301 DEAUVILLE BLVD., MIDLAND, TX 79706	
4. Well Location Unit Letter <u>M</u> : 660 feet from the SOUTH line and 660 feet from the WEST line Section <u>20</u> Township <u>21-S</u> Range <u>37-E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2989' GL	

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: TEMPORARILY ABANDON <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- MIRU workover rig
- Pull tubing, rods from 4038'
- Wireline set CIBP at 5100' to isolate the previously plugged Paddock perforates (5162' – 5180'). Dump bail 35' of cement (10 sacks C)
- Wireline set CIBP at 3600' to isolate open Penrose Skelly perforations (3667' – 3867'). Dump bail 35' of cement (10 sacks Class C)
- Isolate Salt Bottom: Perforate at 2412'. Cement from 2412' to 1912' with 182 sacks Class C cement; 7" & 7" x 9-5/8" annulus.
- Isolate Salt Top: Perforate at 1300'. Cement from 1300' to 1150' with 96 sacks Class C cement; 7", 7" x 9-5/8", 9-5/8" x 12-1/4" annulus
- Surface plug: Perforate at 350'. Cement from 350' to surface with 225 sacks Class C cement. 7", 7" x 9-5/8" x 9-5/8" x 13-3/8" annulus

Note: MLF to be spotted between cement plugs

Estimated start date: 4/22/2021

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS OF APPROVAL

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

SIGNATURE Hayes Thibodeaux TITLE Well Abandonment Engineer, Attorney-in-Fact DATE 04/21/2021

Type or print name Hayes Thibodeaux PHONE: 281 726 9683

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 4/22/21
 Conditions of Approval (if any):

FORMATION TOPS & DEPTHS

Formation Name	TD, ft
	Top
Rustler	1,204
Salt Top	1,347
Salt Bottom	2,412
Yates	2,637
Seven Rivers	2,872
Queen	3,397
Penrose	3,501
Grayburg	3,653
San Andres	3,894
Glorieta	5,140
Paddock	5,186
Blinbry	5,547
Tubb	6,137
Drinkard	6,383
TD	6,670

PROPOSED ABANDONMENT WELLBORE DIAGRAM

Created:	5/7/2020	By:		Well No.:	4	Pool:	Blineberry Oil & Gas (oil)
Updated:		By:		Unit Ltr:		Sec:	20 TSHP/Range: 21S/37E
Lease:	HARDY, C.L.			Unit Ltr:		Sec:	TSHP/Range:
Surface Location:	660 FSL, 660 FWL			St Lease:	PRIVATE	API:	30-025-06705
Bottomhole Location:	Same	St:	NM	Elevation:	GL:3494	CHEVNO:	FA7806
County:	LEA						
Current Status:							

Surface Csg.

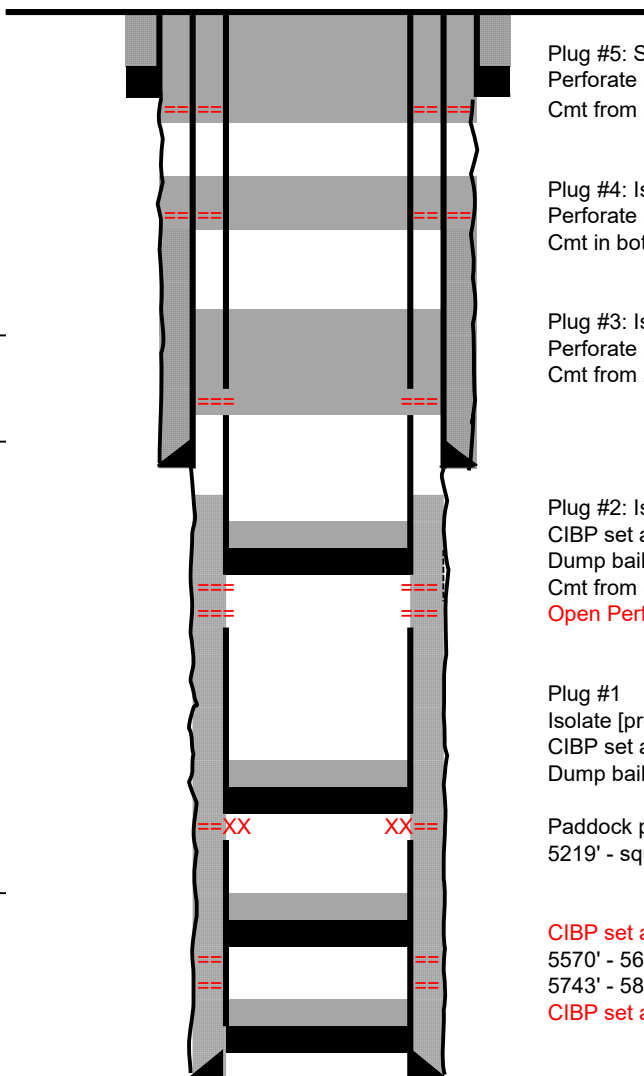
Size: 13-3/8"
 Wt.: 48 #
 Set @: 279
 Sxs cmt: 300
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg.

Size: 9-5/8"
 Wt.: 36#
 Set @: 2902
 Sxs Cmt: 1,300
 Circ: Yes
 TOC: 1315 by TS
 Hole Size: 12 1/4"

Production Csg.

Size: 7"
 Wt.: 23#
 Set @: 6552
 Sxs Cmt: 700
 Circ: Unknown
 TOC: 2915
 Hole Size: 8-3/4"



Plug #5: Surface plug, isolate 13-3/8" shoe
 Perforate at 350'

Cmt from 350' to surface in both annuli

Plug #4: Isolate top of salt
 Perforate at 1300' (TOC in 9-5/8" at 1315')
 Cmt in both annuli from 1300' to 1150'

Plug #3: Isolate Salt Bottom
 Perforate at 2412'
 Cmt from 2412' to 1912'

Plug #2: Isolate Penrose Skelly producing interval
 CIBP set at 3600'
 Dump bail 35' of cement. Rig will upgrade to 100'.
 Cmt from 3600' to 3500'
 Open Perforations from 3667' to 3867'

Plug #1
 Isolate [previously squeezed] Paddock Perfs
 CIBP set at 5100'
 Dump bail 35' of cement

Paddock perforations squeezed 5162' to 5180'
 5219' - squeezed to seal off water

CIBP set at 5525' with 35' of cement
 5570' - 5670' - perforations isolated
 5743' - 5857' - perforations isolated
 CIBP set at 6550' w/ 10' of cement

TD = 6670'
 PBTD = 5695'

This wellbore diagram is based on the most recent information regarding wellbore configuration & equipment that could be found in the Midland Office well files & computer / online databases as of the update date above.

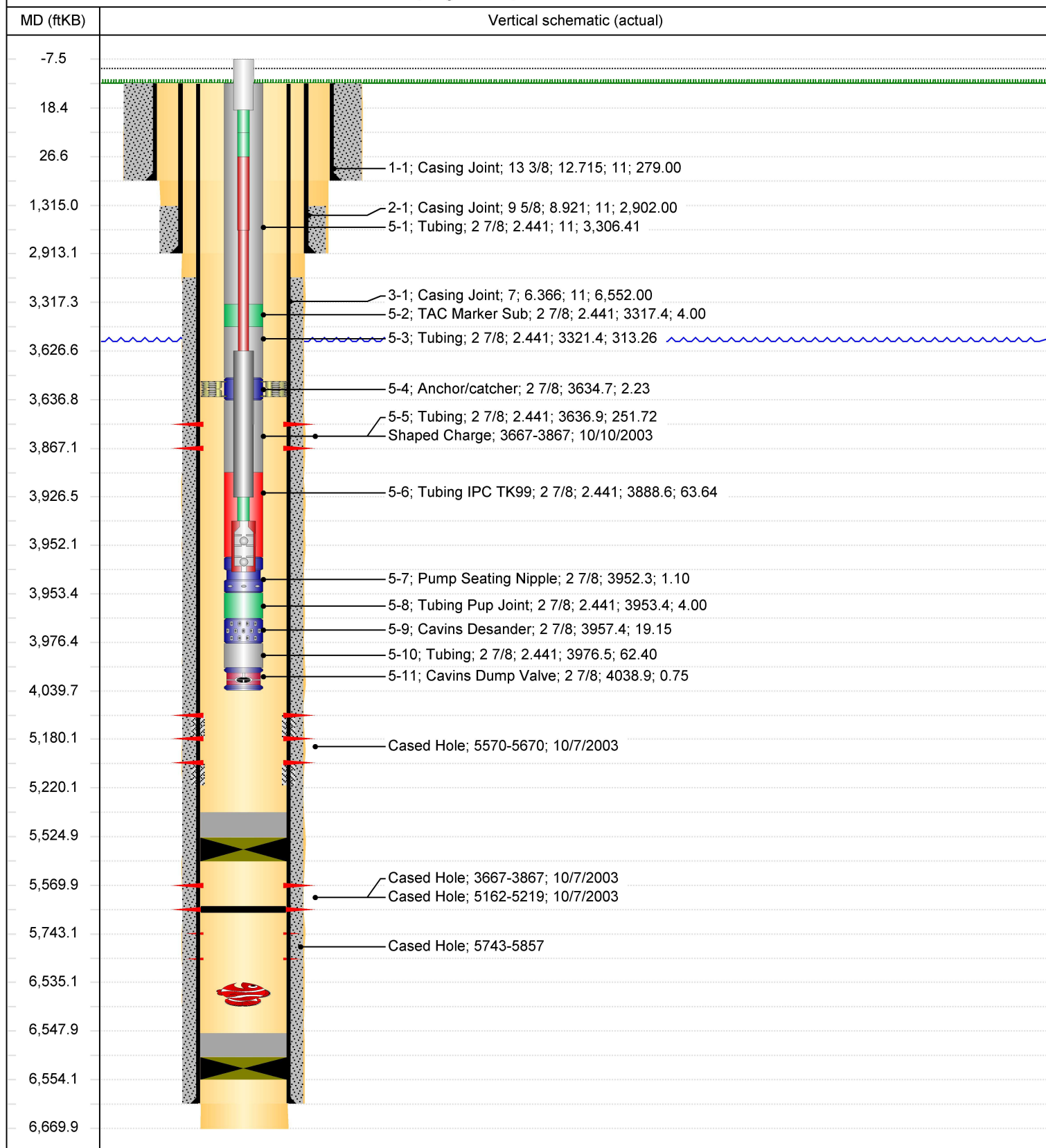


Schematic - Current

Well Name HARDY, C.L. 004		Lease Hardy, C.L.	Field Name Penrose Skelly	Business Unit Mid-Continent	
Ground Elevation (ft) 3,494.00	Original RKB (ft) 3,505.00	Current RKB Elevation 3,505.00, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Wellbore Name Original Hole	Directional Type Vertical	Wellbore UWI 300250670500	Wellbore ChevNo FA7806-00
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Land, Original Hole, 4/21/2021 11:18:40 AM



PROPOSED ABANDONMENT WELLBORE DIAGRAM

Created:	5/7/2020	By:		Well No.:	4	Pool:	Blineberry Oil & Gas (oil)
Updated:		By:		Unit Ltr:		Sec:	20 TSHP/Range: 21S/37E
Lease:	HARDY, C.L.			Unit Ltr:		Sec:	TSHP/Range:
Surface Location:	660 FSL, 660 FWL			St Lease:	PRIVATE	API:	30-025-06705
Bottomhole Location:	Same	St:	NM	Elevation:	GL:3494	CHEVNO:	FA7806
County:	LEA						
Current Status:							

Surface Csg.

Size: 13-3/8"
 Wt.: 48 #
 Set @: 279
 Sxs cmt: 300
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

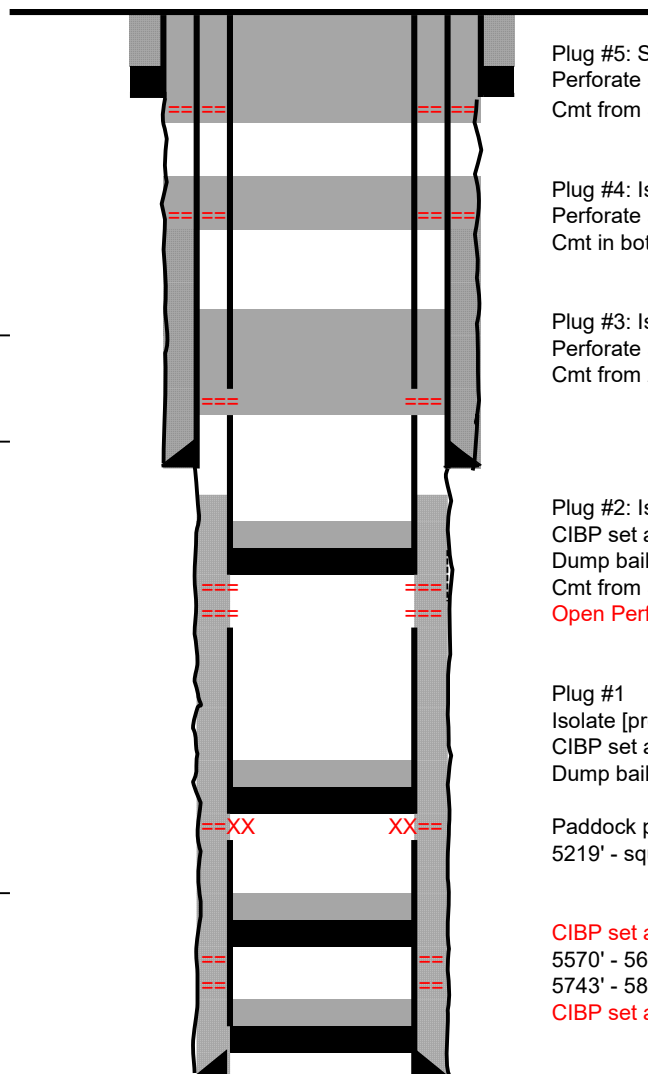
Intermediate Csg.

Size: 9-5/8"
 Wt.: 36#
 Set @: 2902
 Sxs Cmt: 1,300
 Circ: Yes
 TOC: 1315 by TS
 Hole Size: 12 1/4"

Production Csg.

Size: 7"
 Wt.: 23#
 Set @: 6552
 Sxs Cmt: 700
 Circ: Unknown
 TOC: 2915
 Hole Size: 8-3/4"

This wellbore diagram is based on the most recent information regarding wellbore configuration & equipment that could be found in the Midland Office well files & computer / online databases as of the update date above.



Plug #5: Surface plug, isolate 13-3/8" shoe
 Perforate at 350'

Cmt from 350' to surface in both annuli

Plug #4: Isolate top of salt
 Perforate at 1300' (TOC in 9-5/8" at 1315')
 Cmt in both annuli from 1300' to 1150'

Plug #3: Isolate Salt Bottom
 Perforate at 2412'
 Cmt from 2412' to 1912'

Plug #2: Isolate Penrose Skelly producing interval
 CIBP set at 3600'
 Dump bail 35' of cement. Rig will upgrade to 100'.
 Cmt from 3600' to 3500'
 Open Perforations from 3667' to 3867'

Plug #1
 Isolate [previously squeezed] Paddock Perfs
 CIBP set at 5100'
 Dump bail 35' of cement

Paddock perforations squeezed 5162' to 5180'
 5219' - squeezed to seal off water

CIBP set at 5525' with 35' of cement
 5570' - 5670' - perforations isolated
 5743' - 5857' - perforations isolated
 CIBP set at 6550' w/ 10' of cement

TD = 6670'
 PBD = 5695'

C. L. Hardy #4

API: 30-025-06705
Chevno: FA7806
Location: 660' FSL & 660' FWL
Section 20, Township 21S, Range 37E
Lea County, NM

6/20/48 Spud well.

8/4/48 Initial completion date. Drilled 6-1/4" Drinkard OH interval f/ 6563-6670'.

4/24/59 Set 7" CIBP @ 6550', capped w/ 2sx cmt. Perf f/ 5162-5170' and treat w/ 4500 gals 15% NE acid.

6/5/59 Perf w/ 4 jhpf f/ 3698-3840 and treated w/ 30,000 gals refined oil.

6/22/59 Pulled both strings of tbg. Milled over Baker prod pkr @ 5060'. Caught fish & POH. Ran RBP and set @ 3901', dump 4sx snd. Sqz Penrose Skelly perfs 3698-3840' w/ 150sx cmt. DO cmt. Sqz'd 1000 gals 15% NEA

3/25/66 Pulled rods & pmp f/ Paddock. Pulled both strings of tbg. Ran long string of tbg and latched onto Baker Model D pkr @ 5705'. Ran Paddock string of tbg, rods & pmp. Pumped 1000 gals 15% NE acid down Blinebry tbg to Paddock perfs 5743-5857'. Ran rods & pmp to test Paddock. Pull same. CO to 6550' and perf Blinebry f/ 5743-5857'. Stim w/ 500 gals 15% NEA. Frac w/ 18,840 gals gel oil.

6/6/68 Pulled pmp & rods f/ Paddock. Pulled tbg f/ Paddock & Blinebry. Treated Paddock perfs 5162-70' w/ 2500 gals acid. Ran both strings of tbg. Ran rods & pmp in Paddock. Treated Blinebry perfs 5743-5857' w/ 4000 gals acid. Swabbed & tested. Blinebry zone uneconomic to produce. Paddock zone RTP'd.

11/3/88 TIH, tag fish @ 5230'. POH w/ no recovery. TIH, wash over fish f/ 5238-5268', latch fish & work free. TIH, set Model D pkr @ 5705'. Dump 2sx cmt. Est TOC @ 5695', new PBTd. RIH w/ 2-3/8" prod tbg to 5208'. Tih w/ rods & pmp.

5/5/98 Perf'd 5570-5670' w/ 3 jhpf. Acidized w/ 5000 gals 15%. Frac'd w/ 81,000 gals gel, 221,000# sand. C/O w/ coil tbg f/ 5625-5692'. RIH w/ prod tbg to 5399', pkr @ 5467'.

10/21/03 Set RBP @ 5100' and cap w/ sand. Perf Penrose Skelly f/ 3667-3867'. Stim w/ 3200 gals 15% HCl and 66,000 gals YF135 & sand.

9/23/10 Pull RBP & c/o to 5690'. Mill on top of pkr and push to 6435'. Stim Penrose & Blinebry perfs w/ 7000 gals 15% NEFE HCl acid.

11/22/11 POH w/ rods, pmp & tbg. RIH w/ CIBP and set @ 5525'. RIH w/ dump bailer (TOC @ 5490'). RIH w/ new tbg, pmp & rods.

7/18/12 POH w/ rods & pmp. Jet wash perfs f/ 3667-3867'. Acidized interval w/ 6000 gals 15% NEFE HCl. Run back in hole with pmp & rods.

4/18/21 H2S release, shut-in well and handover well control to WIT. Leak identified as hole in riser, leaking bull plug and a shallow hole in the production casing. Killed well w/ both sides of the intermediate head secured with replacement/repair of riser & bull plug. **An RWW rig is scheduled to be on location approximately 4/22/21 to set a CIBP above the open perforated**

WELL HEADER

Date:	04/20/2021
Well Name:	Well # 4 at Section 20 of the C L Hardy lease
Objective:	P&A
P&A Job Level:	2
P&A Priority Level:	1
Current Well Status:	SI-Oil
Failure Date:	4/18/2021
Well Class:	Oil Well
Area:	Central Area - Hobbs FMT
Field:	Penrose Skelly Field
County / State:	Lea / New Mexico
API #:	30-025-06705
Chevno:	FA7806
Operator:	Chevron
Spud Date:	6/20/1948
Completion Date:	8/4/1948
Unusual Jewelry (CRA, fiber-line, etc.)	
H2S Concentration >100 PPM?	Yes
NORM Present in Area?	Yes
Governing Authority:	NMOCD
Sec – Twp – Rng:	660' FSL & 660' FWL Sec. 20, T-21S, R-37E
Surface X / Y:	

Date: 4/20/2021

HARDY, C.L. 004

Revision #: 1

Critical Well Notes

- Artificial lift method - rod pump
- H2S has been encountered in past workovers
- Cudd pressure control and RWW have addressed a LOC and have isolated the leak path at surface
- Reports of shallow casing leak will result in need for squeeze packer to conduct planned perf & squeezes
- Will need to confirm interval of leaks
- Prior produced intervals have been plugged back with CIBP + cmt, Paddock perforations have been squeezed

Procedure - Rig Only

- 1 MIRU pulling service rig
- 2 Check pressure on all casing and tubing strings. Verify no pressure and observe well for 15 minutes to verify no flow. Kill well with brine or mud as necessary.
- 3 Test tubing against the seated rod pump to confirm if tubing can be used as workstring.
- 4 N/U rod BOP's and begin L/D rod string & pump.
- 5 N/U stump-tested BOPE prior to pulling tubing string
- 6 Release TAC. TOH with tubing string and L/D same.
- 7 MIRU wireline unit. Set CIBP per approved set depth (currently pending approval). POOH with wireline.
- 8 Conduct pressure test of casing, CIBP to 500 psi for 15 minutes. Document results in WellView.
 - 1 Will need to identify and isolate shallow leak path prior to pressure test using a squeeze packer
- 9 Bubble test all annuli for 30 minutes each and document results in WellView under daily pressures
- 10 TIH with tubing string and squeeze packer if necessary to tag CIBP
- 11 Proceed to pump cement per the approved permit, refer to table below for submitted cmt plug depths and vol.
 - 1 TOC in casing strings have been confirmed by Temp Surveys per wellbore records
 - 2 If bubble test in either annuli fails prior to reaching FW zone, a contingency cement plug should be squeezed between the shallowest hydrocarbon bearing zone and the deepest FW zone. Consult with engineer and get regulatory approval prior to adding contingency plugs.
 - 1 WOC, tag, pressure test contingency squeeze prior to isolating fresh water zone
 - 3 If bubble tests pass and circulation is established to surface, discuss feasibility of circulating cement to surface from the particular depth pending approval from regulator agency.
- 12 Discuss with engineer any changes to proposed plan forward during execution

Plug					
Summary Table	Base	Top	Volume	Perf & Squeeze	Notes
Formation 1	5100	5065	9	NO	Isolate Paddock perforations; CIBP + cmt
Formation 2	3600	3565	8	NO	Isolate Penrose/skelly; CIBP + cmt
Formation 3	2412	1912	182	YES	Isolate salt bottom
Formation 4	1300	1150	96	YES	Isolate salt top, 7" annulus + 9-5/8" annulus
Formation 5	350	0	223	YES	Surface plug, 7" annulus + 9-5/8" annulus
Formation 6	0	0	0	0	
Formation 7	0	0	0	0	
Formation 8	0	0			
Total Sacks	518				
Total Perf & Squeeze		3			
Total Spot		2			

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),

A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be SO' below the bottom and 50' above the top of the Formation.

21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQ.UIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least 1/4" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

WELL HEADER

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P&A Priority Level:	1
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County / State:	Lea / New Mexico
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Chevno:	FA7806
Operator:	Chevron
Spud Date:	6/20/1948
Completion Date:	8/4/1948
Unusual Jewelry (CRA, fiber-line, etc.)	
H2S Concentration >100 PPM?	Yes
NORM Present in Area?	Yes
Governing Authority:	NMOCD
Sec – Twp – Rng:	660' FSL & 660' FWL Sec. 20, T-21S, R-37E
Surface X / Y:	

C. L. Hardy #4

API: 30-025-06705
Chevno: FA7806
Location: 660' FSL & 660' FWL
Section 20, Township 21S, Range 37E
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6/20/48 Spud well.

8/4/48 Initial completion date. Drilled 6-1/4" Drinkard OH interval f/ 6563-6670'.

4/24/59 Set 7" CIBP @ 6550', capped w/ 2sx cmt. Perf f/ 5162-5170' and treat w/ 4500 gals 15% NE acid.

6/5/59 Perf w/ 4 jhpf f/ 3698-3840 and treated w/ 30,000 gals refined oil.

6/22/59 Pulled both strings of tbg. Milled over Baker prod pkr @ 5060'. Caught fish & POH. Ran RBP and set @ 3901', dump 4sx snd. Sqz Penrose Skelly perfs 3698-3840' w/ 150sx cmt. DO cmt. Sqz'd 1000 gals 15% NEA

3/25/66 Pulled rods & pmp f/ Paddock. Pulled both strings of tbg. Ran long string of tbg and latched onto Baker Model D pkr @ 5705'. Ran Paddock string of tbg, rods & pmp. Pumped 1000 gals 15% NE acid down Blinebry tbg to Paddock perfs 5743-5857'. Ran rods & pmp to test Paddock. Pull same. CO to 6550' and perf Blinebry f/ 5743-5857'. Stim w/ 500 gals 15% NEA. Frac w/ 18,840 gals gel oil.

6/6/68 Pulled pmp & rods f/ Paddock. Pulled tbg f/ Paddock & Blinebry. Treated Paddock perfs 5162-70' w/ 2500 gals acid. Ran both strings of tbg. Ran rods & pmp in Paddock. Treated Blinebry perfs 5743-5857' w/ 4000 gals acid. Swabbed & tested. Blinebry zone uneconomic to produce. Paddock zone RTP'd.

11/3/88 TIH, tag fish @ 5230'. POH w/ no recovery. TIH, wash over fish f/ 5238-5268', latch fish & work free. TIH, set Model D pkr @ 5705'. Dump 2sx cmt. Est TOC @ 5695', new PBTd. RIH w/ 2-3/8" prod tbg to 5208'. Tih w/ rods & pmp.

5/5/98 Perf'd 5570-5670' w/ 3 jhpf. Acidized w/ 5000 gals 15%. Frac'd w/ 81,000 gals gel, 221,000# sand. C/O w/ coil tbg f/ 5625-5692'. RIH w/ prod tbg to 5399', pkr @ 5467'.

10/21/03 Set RBP @ 5100' and cap w/ sand. Perf Penrose Skelly f/ 3667-3867'. Stim w/ 3200 gals 15% HCl and 66,000 gals YF135 & sand.

9/23/10 Pull RBP & c/o to 5690'. Mill on top of pkr and push to 6435'. Stim Penrose & Blinebry perfs w/ 7000 gals 15% NEFE HCl acid.

11/22/11 POH w/ rods, pmp & tbg. RIH w/ CIBP and set @ 5525'. RIH w/ dump bailer (TOC @ 5490'). RIH w/ new tbg, pmp & rods.

7/18/12 POH w/ rods & pmp. Jet wash perfs f/ 3667-3867'. Acidized interval w/ 6000 gals 15% NEFE HCl. Run back in hole with pmp & rods.

4/18/21 H2S release, shut-in well and handover well control to WIT. Leak identified as hole in riser, leaking bull plug and a shallow hole in the production casing. Killed well w/ both sides of the intermediate head secured with replacement/repair of riser & bull plug. **An RWW rig is scheduled to be on location approximately 4/22/21 to set a CIBP above the open perforated**

FORMATION TOPS & DEPTHS

Formation Name	TD, ft
	Top
Rustler	1,204
Salt Top	1,347
Salt Bottom	2,412
Yates	2,637
Seven Rivers	2,872
Queen	3,397
Penrose	3,501
Grayburg	3,653
San Andres	3,894
Glorieta	5,140
Paddock	5,186
Blinbry	5,547
Tubb	6,137
Drinkard	6,383
TD	6,670

PROPOSED ABANDONMENT WELLBORE DIAGRAM

Created:	5/7/2020	By:		Well No.:	4	Pool:	Blineberry Oil & Gas (oil)
Updated:		By:		Unit Ltr:		Sec:	20 TSHP/Range: 21S/37E
Lease:	HARDY, C.L.			Unit Ltr:		Sec:	TSHP/Range:
Surface Location:	660 FSL, 660 FWL			St Lease:	PRIVATE	API:	30-025-06705
Bottomhole Location:	Same	St:	NM	Elevation:	GL:3494	CHEVNO:	FA7806
County:	LEA						
Current Status:							

Surface Csg.

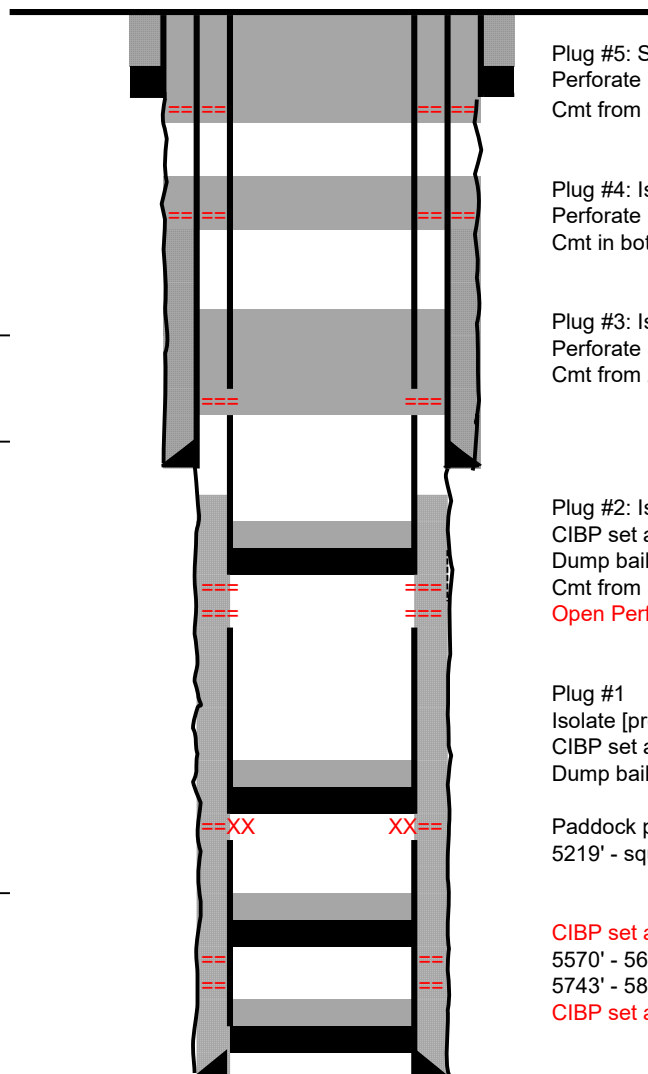
Size: 13-3/8"
 Wt.: 48 #
 Set @: 279
 Sxs cmt: 300
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg.

Size: 9-5/8"
 Wt.: 36#
 Set @: 2902
 Sxs Cmt: 1,300
 Circ: Yes
 TOC: 1315 by TS
 Hole Size: 12 1/4"

Production Csg.

Size: 7"
 Wt.: 23#
 Set @: 6552
 Sxs Cmt: 700
 Circ: Unknown
 TOC: 2915
 Hole Size: 8-3/4"



Plug #5: Surface plug, isolate 13-3/8" shoe
 Perforate at 350'

Cmt from 350' to surface in both annuli

Plug #4: Isolate top of salt
 Perforate at 1300' (TOC in 9-5/8" at 1315')
 Cmt in both annuli from 1300' to 1150'

Plug #3: Isolate Salt Bottom
 Perforate at 2412'
 Cmt from 2412' to 1912'

Plug #2: Isolate Penrose Skelly producing interval
 CIBP set at 3600'
 Dump bail 35' of cement. Rig will upgrade to 100'.
 Cmt from 3600' to 3500'
 Open Perforations from 3667' to 3867'

Plug #1
 Isolate [previously squeezed] Paddock Perfs
 CIBP set at 5100'
 Dump bail 35' of cement

Paddock perforations squeezed 5162' to 5180'
 5219' - squeezed to seal off water

CIBP set at 5525' with 35' of cement
 5570' - 5670' - perforations isolated
 5743' - 5857' - perforations isolated
 CIBP set at 6550' w/ 10' of cement

This wellbore diagram is based on the most recent information regarding wellbore configuration & equipment that could be found in the Midland Office well files & computer / online databases as of the update date above.

TD = 6670'
 PBTD = 5695'

Date: 4/20/2021

HARDY, C.L. 004

Revision #: 1

Critical Well Notes

- Artificial lift method - rod pump
- H2S has been encountered in past workovers
- Cudd pressure control and RWW have addressed a LOC and have isolated the leak path at surface
- Reports of shallow casing leak will result in need for squeeze packer to conduct planned perf & squeezes
Will need to confirm interval of leaks
- Prior produced intervals have been plugged back with CIBP + cmt, Paddock perforations have been squeezed

Procedure - Rig Only

- 1 MIRU pulling service rig
- 2 Check pressure on all casing and tubing strings. Verify no pressure and observe well for 15 minutes to verify no flow. Kill well with brine or mud as necessary.
- 3 Test tubing against the seated rod pump to confirm if tubing can be used as workstring.
- 4 N/U rod BOP's and begin L/D rod string & pump.
- 5 N/U stump-tested BOPE prior to pulling tubing string
- 6 Release TAC. TOH with tubing string and L/D same.
- 7 MIRU wireline unit. Set CIBP per approved set depth (currently pending approval). POOH with wireline.
- 8 Conduct pressure test of casing, CIBP to 500 psi for 15 minutes. Document results in WellView.
 - 1 Will need to identify and isolate shallow leak path prior to pressure test using a squeeze packer
- 9 Bubble test all annuli for 30 minutes each and document results in WellView under daily pressures
- 10 TIH with tubing string and squeeze packer if necessary to tag CIBP
- 11 Proceed to pump cement per the approved permit, refer to table below for submitted cmt plug depths and vol.
 - 1 TOC in casing strings have been confirmed by Temp Surveys per wellbore records
 - 2 If bubble test in either annuli fails prior to reaching FW zone, a contingency cement plug should be squeezed between the shallowest hydrocarbon bearing zone and the deepest FW zone. Consult with engineer and get regulatory approval prior to adding contingency plugs.
 - 1 WOC, tag, pressure test contingency squeeze prior to isolating fresh water zone
 - 3 If bubble tests pass and circulation is established to surface, discuss feasibility of circulating cement to surface from the particular depth pending approval from regulator agency.
- 12 Discuss with engineer any changes to proposed plan forward during execution

Plug					
Summary Table	Base	Top	Volume	Perf & Squeeze	Notes
Formation 1	5100	5065	9	NO	Isolate Paddock perforations; CIBP + cmt
Formation 2	3600	3565	8	NO	Isolate Penrose/skelly; CIBP + cmt
Formation 3	2412	1912	182	YES	Isolate salt bottom
Formation 4	1300	1150	96	YES	Isolate salt top, 7" annulus + 9-5/8" annulus
Formation 5	350	0	223	YES	Surface plug, 7" annulus + 9-5/8" annulus
Formation 6	0	0	0	0	
Formation 7	0	0	0	0	
Formation 8	0	0			
Total Sacks	518				
Total Perf & Squeeze		3			
Total Spot		2			

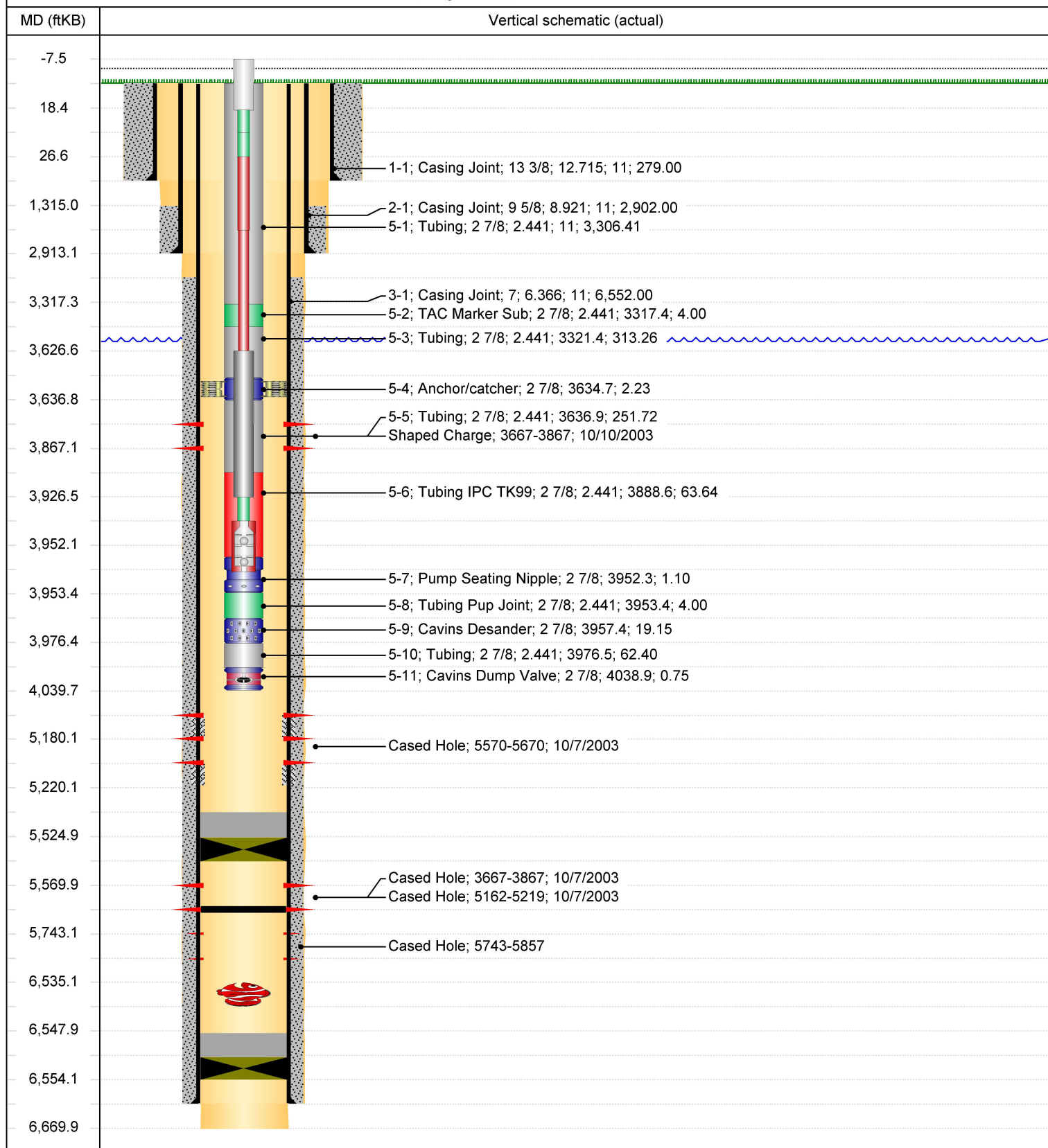


Schematic - Current

Well Name HARDY, C.L. 004		Lease Hardy, C.L.	Field Name Penrose Skelly	Business Unit Mid-Continent	
Ground Elevation (ft) 3,494.00	Original RKB (ft) 3,505.00	Current RKB Elevation 3,505.00, <elvdttmstart>		Mud Line Elevation (ft)	Water Depth (ft)

Wellbore Name Original Hole	Directional Type Vertical	Wellbore UWI 300250670500	Wellbore ChevNo FA7806-00
---------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------

Land, Original Hole, 4/21/2021 11:18:40 AM



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County:	LEA						
Current Status:							

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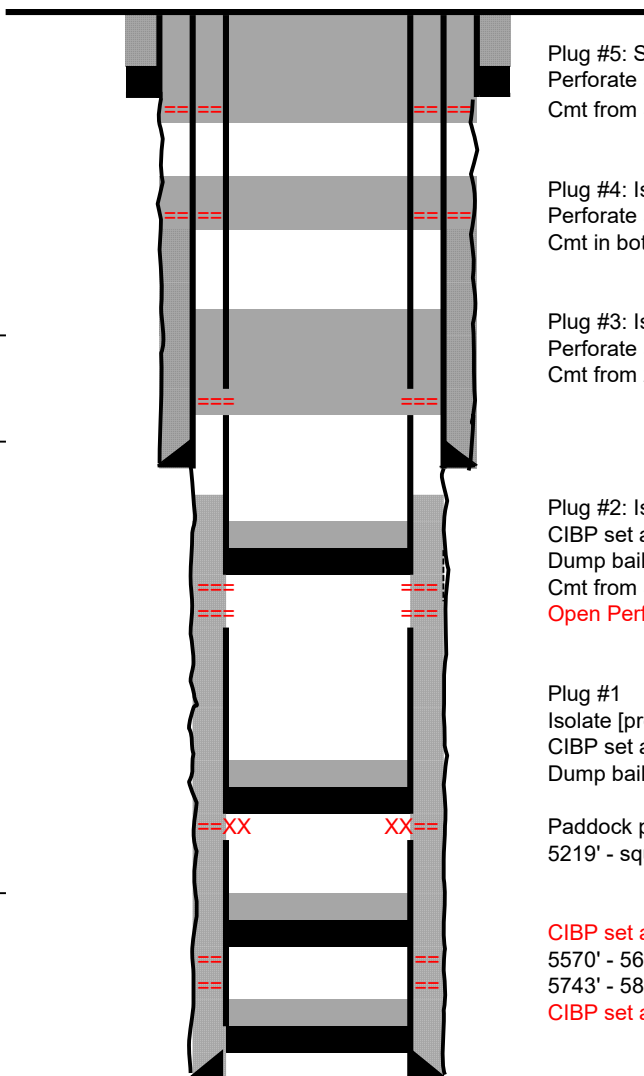
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Size: 9-5/8"
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 Set @: 2902
 Sxs Cmt: 1,300
 Circ: Yes
 TOC: 1315 by TS
 Hole Size: 12 1/4

Production Csg.

Size: 7"
 Wt.: 23#
 Set @: 6552
 Sxs Cmt: 700
 Circ: Unknown
 TOC: 2915
 Hole Size: 8-3/4"



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TD = 6670'
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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 24821

COMMENTS

Operator:	CHEVRON U S A INC	6301 Deauville Blvd	Midland, TX79706	OGRID:	4323	Action Number:	24821	Action Type:	C-103F
Created By	Comment			Comment Date					
plmartinez	DATA ENTRY PM			04/22/2021					

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 24821

CONDITIONS OF APPROVAL

Operator:	CHEVRON U S A INC	6301 Deauville Blvd	Midland, TX79706	OGRID:	4323	Action Number:	24821	Action Type:	C-103F
OCD Reviewer	Condition								
kfortner	See attached conditions of approval								