

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.	30-025-24067
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	W.A. RAMSEY 'B'
8. Well No.	6
9. Pool Name or Wildcat	TUBB/DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3531'

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 PERMIT (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>H</u> : <u>2310'</u> Feet From The <u>NORTH</u> Line and <u>430'</u> Feet From The <u>EAST</u> Line Section <u>25</u> Township <u>21-S</u> Range <u>36-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3531'

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 & ACIDIZE

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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 ADD PERFS IN THE TUBB/DRINKARD & ACIDIZE.

THE CURRENT AND PROPOSED WELLBORE DIAGRAMS, AND THE INTENDED PROCEDURE IS 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 3/29/2006
TYPE OR PRINT NAME Denise Pinkerton **PETROLEUM ENGINEER** Telephone No. 432-687-7375

(This space for State Use)

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

DATE

APR 03 2006
DeSoto/Nichols 12-93 ver 1.2

Well: **W. A. Ramsey (NCT-B) #6**

Field: **Tubb &
Drinkard (DHC)**

Reservoir: **Tubb, &
Drinkard (DHC)**

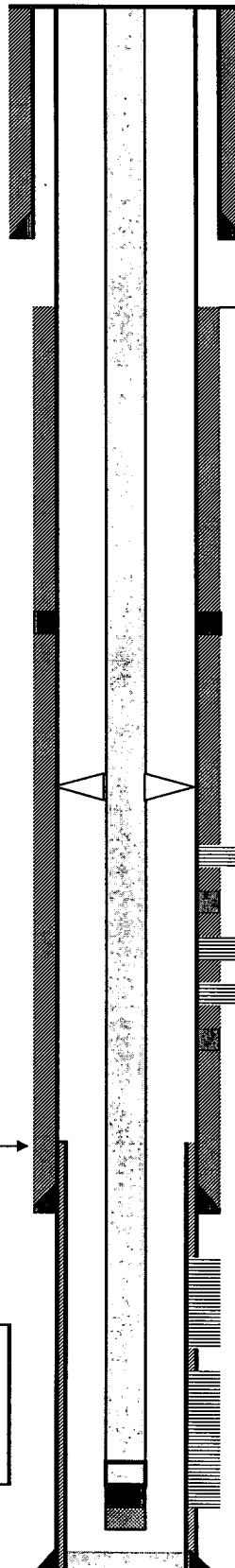
Location:

2310' FNL & 430' FEL
Section: 25
Township: 21S
Range: 36E
County: Lea State: NM

Elevations:

GL: 3520'
KB: 3531'
DF:

**Current
Wellbore Diagram**



Well ID Info:

Chevno: FG9658
API No: 30-025-24067
L5/L6: U413500, U463600, & U476900
Spud Date: 3/25/72
Compl. Date: 4/25/72 (Blinebry)
Compl. Date: 11/5/76 (Drinkard)
Compl. Date: 8/20/01 (Tubb)

Surface Csg: 8 5/8", 24#, K-55

Set: @ 1255' w/ 400 sx cmt

Hole Size: 11" @ 1255'

Circ: Yes TOC: Surface

TOC By: Circulation (75 sx)

TOC @ 2160'

DV Tool @ 3889'

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
176	Jts. 2 3/8" EUE 8R J-55 Tbg	5365.06
	TAC	2.62
8	Jts. 2 3/8" EUE 8R J-55 Tbg	244.20
32	Jt. 2 3/8" EUE 8R J-55 Tbg**	1011.13
1	Jt. 2 3/8" EUE 8R J-55 IPC Tbg**	31.66
	SN	1.10
	2 3/8" x 4" Perf Tbg Sub**	4.00
1	Jt. 2 3/8" EUE 8R J-55 Tbg**	32.42
	Bull Plug	0.50
218	Bottom Of String >>	6703.69

** Tbg has special clearance collars.

TOL @ 5832'

EOT set @ 6750'

Liner: 4" Hydril FJ 11.34# K-55
Set: @ 6820' w/ top @ 5832'
Hole Size: 4 3/4" @ 6822'
Circ: Yes TOC: 5832'
TOC By: Circulated

COTD: 6736'
PBTD: 6776'
TD: 6822'

Perfs:

Status

5513' Blinebry - squeezed
5546' Blinebry - squeezed
5574' Blinebry - squeezed
5646' Blinebry - squeezed
5693' Blinebry - squeezed

Prod. Csg: 5 1/2", 14# & 17#, K-55

Set: @ 5950' w/ 560 sx cmt

Hole Size: 7 7/8" @ 5950'

Circ: No TOC: 2160'

TOC By: Temperature Survey

6352-62' Tubb - open
6372-76' Tubb - open
6387-91' Tubb - open
6412-16' Tubb - open

6546-49' Drinkard - open
6585-88' Drinkard - open
6626-29' Drinkard - open
6681-84' Drinkard - open
6720-23' Drinkard - open
6751-54' Drinkard - open

Updated: 9/25/02

By: K. M. Jackson

Well: **W. A. Ramsey (NCT-B) #6**

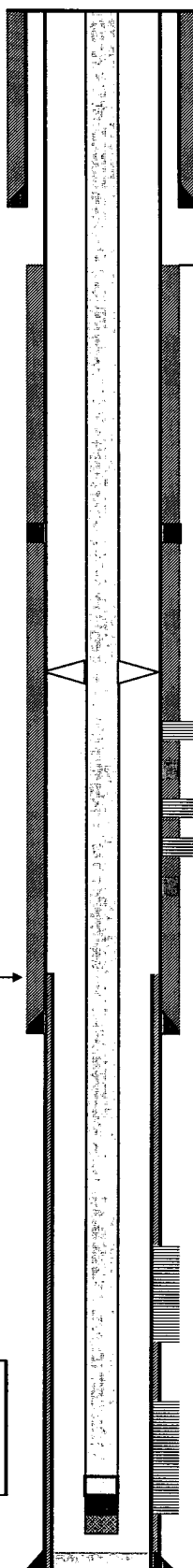
Field: **Tubb &
Drinkard (DHC)**

Reservoir: **Tubb, &
Drinkard (DHC)**

Location:
2310' FNL & 430' FEL
Section: 25
Township: 21S
Range: 36E
County: Lea State: NM

Elevations:
GL: 3520'
KB: 3531'
DF:

**Proposed
Wellbore Diagram**



Well ID Info:
Chevno: FG9658
API No: 30-025-24067
L5/L6: U413500, U463600, & U476900
Spud Date: 3/25/72
Compl. Date: 4/25/72 (Blinbry)
Compl. Date: 11/5/76 (Drinkard)
Compl. Date: 8/20/01 (Tubb)

Surface Csg: 8 5/8", 24#, K-55
Set: @ 1255' w/ 400 sx cmt
Hole Size: 11" @ 1255'
Circ: Yes **TOC:** Surface
TOC By: Circulation (75 sx)

TOC @ 2160'

DV Tool @ 3889'

Tubing Detail:

#Jts:	Size:	Footage
	KB Correction	11.00
176	Jts. 2 3/8" EUE 8R J-55 Tbg	5365.06
	TAC	2.62
8	Jts. 2 3/8" EUE 8R J-55 Tbg	244.20
32	Jt. 2 3/8" EUE 8R J-55 Tbg**	1011.13
1	Jt. 2 3/8" EUE 8R J-55 IPC Tbg**	31.86
	SN	1.10
	2 3/8" x 4" Perf Tbg Sub**	4.00
1	Jt. 2 3/8" EUE 8R J-55 Tbg**	32.42
	Butt Plug	0.50
218	Bottom Of String >>	6703.89

** Tbg has special clearance collars.

TOL @ 5832'

Perfs: **Status:**
5513' Blinbry - squeezed
5546' Blinbry - squeezed
5574' Blinbry - squeezed
5646' Blinbry - squeezed
5693' Blinbry - squeezed

Prod. Csg: 5 1/2", 14# & 17#, K-55
Set: @ 5950' w/ 560 sx cmt
Hole Size: 7 7/8" @ 5950'
Circ: No **TOC:** 2160'
TOC By: Temperature Survey

Perfs: **Status:**
6228-36' Tubb - open
6248-56' Tubb - open
6268-74' Tubb - open
6284-88' Tubb - open
6296-6304' Tubb - open
6322-30' Tubb - open
6352-62' Tubb - open
6372-76' Tubb - open
6387-91' Tubb - open
6412-16' Tubb - open
6450-56' Tubb - open
6470-74' Tubb - open
6488-92' Tubb - open
6546-54' Drinkard - open
6560-64' Drinkard - open
6580-88' Drinkard - open
6592-96' Drinkard - open
6626-29' Drinkard - open
6668-72' Drinkard - open
6681-89' Drinkard - open
6694-6702' Drinkard - open
6710-16' Drinkard - open
6720-23' Drinkard - open
6728-32' Drinkard - open
6751-54' Drinkard - open

Liner: 4" Hydril FJ 11.34# K-55
Set: @ 6820' w/ top @ 5832'
Hole Size: 4 3/4" @ 6822'
Circ: Yes **TOC:** 5832'
TOC By: Circulated

COTD: 6736'
PBTD: 6776'
TD: 6822'

Updated: 3/29/06

By: A. M. Howell

W. A. Ramsey (NCT-B) # 6
Tubb/Drinkard Fields
T21S, R36E, Section 25
WBS # UWDOL-R6118
Job: Add Perfs In Tubb/Drinkard 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 tbg with 8.6 PPG cut brine water, if necessary to kill well. POH with rods and pump. Remove WH. Install BOP's and test csg and BOP's to 2000 psi. Release TAC. POH with 2 3/8" tbg string. LD TAC.
3. PU and GIH with 3 1/4" MT bit and 2 3/8" work string to COTD at approximately 6736'. Tag bottom w/ bit. If fill is encountered above 6736', cleanout wellbore using air unit to PBTD at 6776'. POH with 3 1/4" bit and work string. LD bit.
4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH with 2 3/4" Predator casing gun and perforate from 6228-36', 6248-56', 6268-74', 6284-88', 6296-6304', 6322-30', 6450-56', 6470-74', 6488-92', 6549-54', 6560-64', 6580-85', 6592-96', 6668-72', 6684-89', 6694-6702', 6710-16', and 6728-32' with 4 JSPF at 60 degree phasing, using 15 gram premium charges. POH. RD & release electric line unit. **Note: Use collars from Schlumberger PDC Log dated 4/26/76 for depth correction.**
5. PU and GIH w/ 4" PPI pkr (with 12' element spacing) and SCV on 2 3/8" work string to approximately 6200'.
6. MI&RU DS Services. Pump down 2 3/8" work string and acidize perfs 6228-6732' with 6,100 gals anti-sludge 15% HCl acid* at a maximum rate of **1 BPM** and a maximum surface pressure of **4500 psi**. Spot acid to bottom of tbg at beginning of each stage. Start pumping acid into formation at 1/2 **BPM** and increase rate up to the maximum of **1 BPM** as the treating pressure drops off. Pump job as follows:

Interval	Amt. Acid	PPI Setting
6728-32'	200 gals	6724-36'
6720-23'	200 gals	6716-28'
6710-16'	200 gals	6706-18'
6694-6702'	200 gals	6692-6704'
6681-89'	200 gals	6680-92'
6668-72'	200 gals	6665-77'

6626-29'	200 gals	6622-34'
6592-96'	200 gals	6590-6602'
6580-88'	200 gals	6578-90'
6560-64'	200 gals	6555-67'
6546-54'	200 gals	6545-57'
6488-92'	200 gals	6486-98'
6470-74'	200 gals	6468-80'
6450-56'	300 gals	6448-60'
6412-16'	200 gals	6410-22'
6387-91'	200 gals	6385-97'
6372-76'	200 gals	6370-82'
6352-62'	500 gals	6351-63'
6322-30'	400 gals	6320-32'
6296-6304'	400 gals	6295-6307'
6284-88'	200 gals	6280-92'
6268-74'	300 gals	6266-78'
6248-56'	400 gals	6246-58'
6228-36'	400 gals	6226-38'

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. **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 500 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	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

- Release PPI pkr and LD to approximately 6500'. Set PPI pkr at 6500'. Fish valves from PPI tool.
- Pump down 2 3/8" tbg and acidize perfs 6546-6754' with 3,750 gals anti-sludge 20% HCl acid** and 4,500 gals 20% Super X emulsified acid*** at a maximum rate of **5 BPM** and a maximum surface pressure of **7500 psi**. Start pumping acid into formation at **1/2 BPM** and increase rate up to the maximum of **5 BPM** as the treating pressure drops off. Pump job as follows:

Pump 1,500 gals Super X acid at 5 BPM

Pump 750 gals regular acid at 5 BPM

Pump 1,000 gals 2% KCl water with 20 GPT U-66 & 1 GPT F-108 **and 90 - 1.3 BS's** at 5 BPM

Pump 750 gals regular acid at 5 BPM

Pump 1,500 gals Super X acid at 5 BPM

Pump 750 gals regular acid at 5 BPM

Pump 1,000 gals 2% KCl water with 20 GPT U-66 & 1 GPT F-108 **and 90 - 1.3 BS's** at 5 BPM

Pump 750 gals regular acid at 5 BPM

Pump 1,500 gals Super X acid at 5 BPM

Pump 750 gals regular acid at 5 BPM

Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Record ISIP, 5, 10, & 15 minute SIP's. RD & release DS Services. **Shut well overnight for acid to spend.**

** 20% HCl Acid system is to contain:	2 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control Agent
	2 PPT A179	Iron Control Aid
	20 GPT U66	Mutual Solvent
	2 GPT W53	Non-Emulsifier

*** Super X acid system is to contain:	30% Diesel	Diesel Fuel
	70% Acid	20% HCl Acid
	2 GPT A264	Corrosion Inhibitor
	8 GPT L63	Iron Control
	2 PPT A179	Iron Control Aid
	1 GPT F108	Surfactant
	8 GPT U80	Emulsifier

9. Open well. Release PPI pkr and PUH to approximately 6200'. Set PPI pkr at 6200'. GIH and 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.
10. Open well. Release PPI pkr. POH with 2 3/8" work string and PPI packer. LD work string and PPI pkr.
11. PU and GIH w/ BP mud anchor jt of 2 3/8" tbg with SC couplings, 2 3/8" x 4' perforated sub with SC couplings, SN, 1 jt. 2 3/8" EUE 8R J-55 IPC tbg with SC couplings, 32 jts 2 3/8" EUE 8R J-55 tbg with SC couplings, 8 jts 2 3/8" EUE 8R J-55 tbg, TAC, and 176 jts 2 3/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 5376', with EOT at 6704' and SN at 6666'.
12. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release workover unit.
13. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.