

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 July 18, 2013

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

WELL API NO. 30-025-08742
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Arrowhead Grayburg Unit
8. Well Number 176
9. OGRID Number 330679
10. Pool name or Wildcat Arrowhead; 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"/>	11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3503' GL
2. Name of Operator Empire Petroleum Corporation – New Mexico	
3. Address of Operator 2200 S. Utica Place Suite 150, Tulsa, Oklahoma 74114	
4. Well Location Unit Letter <u>P</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>2</u> Township <u>22S</u> Range <u>36E</u> NMPM County <u>Lea</u>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <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 WOR.
- POOH with rods.
- Scan tubing OOH.
- ~~RIH with RBP and test casing.~~
- RIH with CIBP and set at ~~3600'~~. Set CIBP @ 3700'
- Record pressure test and submit to NMOCD.
- Circulate packer fluid.
- RDMO WOR.
- ND wellhead stuffing box and pumping tee. Install ball valve.
- TA well.

TA status may be granted after a successful MIT test is performed. Contact the OCD to schedule the test so it may be witnessed.

Spud Date:

Rig Release Date:

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

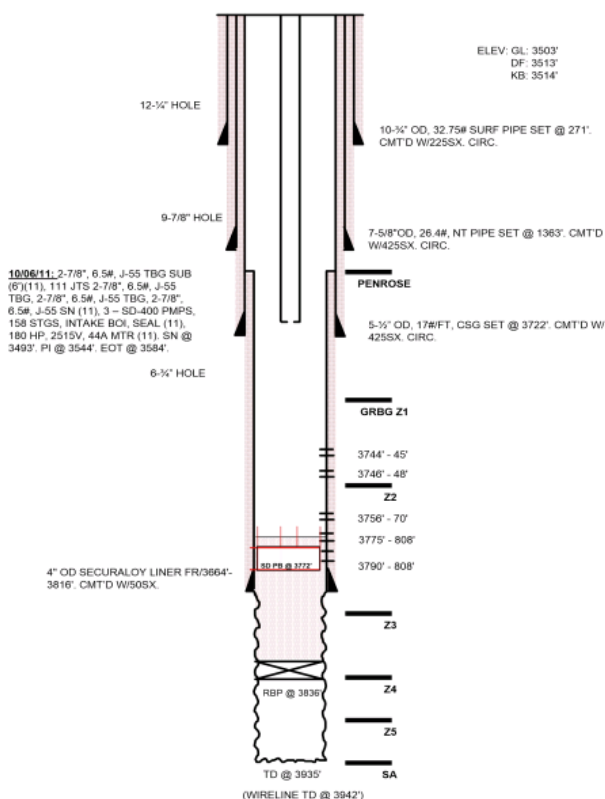
SIGNATURE Nathan Sandel TITLE Production Engineer DATE 06/08/2023

Type or print name Nathan Sandel E-mail address: nsandel@empirepetrocorp.com PHONE: 918-404-4202

For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 6/15/23
 Conditions of Approval (if any):

ARROWHEAD GRAYBURG UNIT # 176
WELLBORE DIAGRAM



LOCATION: 660' FSL & 660' FEL, SEC 2, T22S, R36E
COUNTRY/STATE: LEA, NM
FIELD: ARROWHEAD
FORMATION: GRAYBURG
SPUD DATE: 3/23/39 **DATE COMPLETED:** 4/21/39
API#: 3002508742
STATUS: SUB
IIP: 936 BOPD / 0 BWPD / 640 MCFGPD
COMPLETION DATA: OPEN HOLE NATURAL

10/20/48: DEEPEN TO 3816'. RUN GR-NEUTRON LOG. SET 4" LINER FR/3664'-3816'. PERF 3790'-3808' (108 HOLES). A. W/ 500 GALS. AFTER. 168 BOPD/124 MCFGPD.

03/10/55: A. PERFS W/ 1500 GALS 15% HCL.

12/17/65: CO TO 3816'. A. W/ 1680 GALS.

11/02/67: A. W/ 1680 GALS.

08/19/68: CO TO 3810' W/ BAILER. SOME METAL PIECES, SCALE, & IRON SULFIDE IN BAILER.

09/09/68: TAG FILL @ 3810'. RUN GR-CCL LOG F/ 3400'-3815'. PERF 3744'-48', 3756'-70', & 3775'-808' W/ 4 SPF. A. ALL PERFS W/ 75 BBLs 15% HCL. SWAB LOG. RWTP.

12/13/93: POOH W/ PROD. EQUIP. DEEPEN FR/3816'-3935' W/ 3-1/4" BIT. LOG. A. W/ 2500 GAL 15% HCL IN 6 STGS. SWAB BACK. RAN PROD EQUIP.

05/05/94: MIRU. SET PKR @ 3836'. SWB 70 BBLs. 100% WTR TO 1" OIL AT END OF SWB/22 RUNS. FL STABLE @ 3100' WHILE SWBG W/ 11-12 BPH FER. POOH W/ PKR. SET OH BP @ 3836'. RUN PROD EQUIP.

06/08/94: MIRU. SET PKR @ 3696'. FISH STUCK PKR. LOST 3 DROT SLIPS. 3 DRAG BLOCKS & PULVING ELEMENTS IN HOLE. RIH W/ BIT TO BRESS ROUGH PORTION OF LINER IN LWRN ZN #2. 8' BGL. BELOW 3810'. SET PKR @ 3772'. SWB 2 HRS REC IN BW. 13 BPH FER W/ STABLE FL AT 2800'. TRY TO WORK 2-1/16" TBG PAST 3810'- UNSUCCESSFUL. SAND BP 3810'-3772' (UPPER ZN #2). RUN PROD EQUIP.

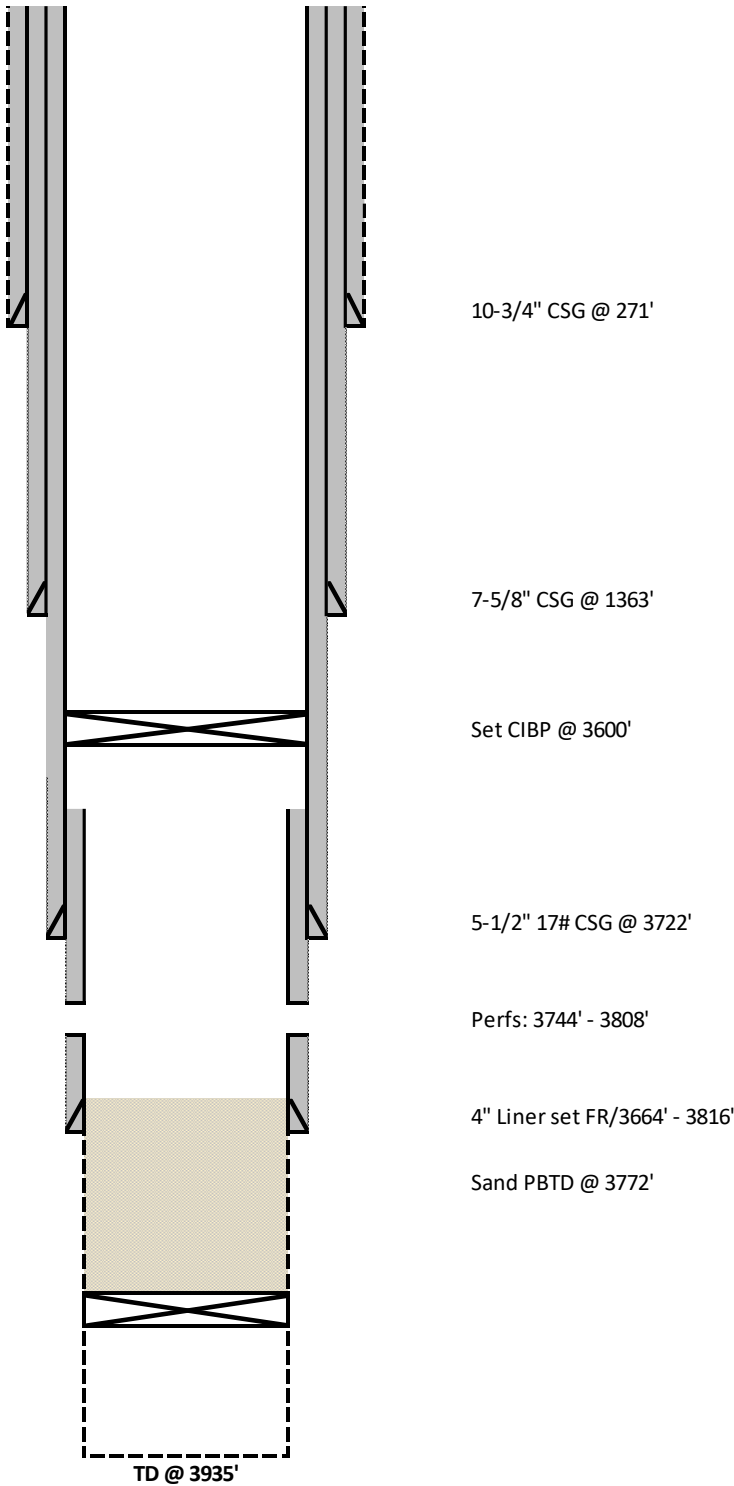
11/17/05: POH W/2-7/8" TBG. PMP & HALF OF SEAL ASSY. HALF OF SEAL ASSY & MOTOR LEFT IN HOLE. TAG FISH @ 3.658". LATCH ONTO FISH & POH W/TBG & TOOLS. REC BTM SEAL SECTION & CENTRILIFT 21F-56530 MOTOR.

11/21/05: RIH W/2-3/8" TBG. TAG FILL @ 3696'. CO FILL TO 3780' (SD & SCALE). TAG ON HARD SURF @ 3780'. PMPD 25 BBLs PROD WTR & LOST CIRCU. FOUND HOLE IN 10-3/4" SURF CSG 3' BELOW WELL HEAD. POH W/TBG. RIH W/BJ 4" CREST PKR & 115 JTS 2-7/8" TBG. SET PKR @ 3.698". LOAD BACKSIDE W/53 BBLs 1 LCL SWB & TEST LINES D-RP SW & PRESS TBG TO 1.000 PSIG. HELD OK. RIH W/2-1/2" INCH FISH SV. TEST LINES TO 2.000 PSIG. HELD OK. EIR OF 1.6 BPM. PMPD 500 GALS 30% POLYMER GEL W/3 GALS BIOCIDES @ 1.7 BPM & 0 PSIG. PMPD 5 BBLs 1 LCL WTR SPACER @ 1.3 BPM & 0 PSIG. PMPD 500 GALS 15% HCL WTR. ISIP @ 1.3 BPM & 0 PSIG. FLUSH ACID TO BTM PER W/22 BBLs 1 LCL WTR. OIP. - 0 PSIG. AIR. - 1.3 BPM. AIP. - 0 PSIG. RD CUDD SERVICES. SHUT WELL IN FOR 3 HRS. RU SWAB. BFL - 1000'. MADE 7 SWB RUNS. REC 40 BBLs WTR. FFL - 1,000'.

11/22/05: POH W/TBG & TOOLS. RIH W/RBP & SET @ 2042' ON BE 6JTS 2-7/8" TBG. POH W/ RETRIEVING HEAD. RIH & W/TBG. FOUND LEAK TO BE +/- 8' BELOW WH FLANGE. RIH W/2-7/8" TBG & CIRC HOLE CLEAN W/85 BFW. POH & LD 2-7/8" TBG & PKR.

11/29/05: RIH W/BJ 5-1/2" RETRIEVING HEAD & 2-7/8" BFW.

Proposed WBD



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CONDITIONS

Action 225551

CONDITIONS

Operator: Empire New Mexico LLC 2200 S. Utica Place Tulsa, OK 74114	OGRID: 330679
	Action Number: 225551
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	6/15/2023