

Submit 1 Copy To Appropriate District 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.	30-015-43995
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 Willow Lake WA 15	
8. Well Number 001H	
9. OGRID Number 12361	
10. Pool name or Wildcat Purple Sage Wolfcamp Gas Pool	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2990 GR	

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 Gas Well Other

2. Name of Operator
Kaiser-Francis Oil Company

3. Address of Operator
P.O. Box 21468, Tulsa, OK 74121-1468

4. Well Location
Unit Letter L : 1960 feet from the South line and 220 feet from the West line
Section 14 Township 24S Range 28E NMPM Eddy County

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 type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" 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.

5/5/21: Logged cement found cement to surface on 5-1/2".
5/26/21: TIH w/ tbd. Tagged Retainer @ 8265'. Circ hole w/ 12.5# mud. Perf Sqz holes @ 7200'. Couldn't pump into. Report results to NMOCD.
5/27/21: spotted 32sx Class H 7274'-6924'. Reverse clean.
5/28/21: TIH. Did Not tag plug. Test sqz holes to 500#. Obtained NMOCD approval to set CIBP.
6/01/21: Set CIBP @ 7170'. Tagged plug. Dump bailed 37' of cement on plug w/ several runs.
6/02/21: Perf Sqz holes @ 6320'. Couldn't pump into. Report results to NMOCD.
6/03/21: TIH to 6392'. Spot 45sx Class C. P/U and reverse clean. Did not tag plug. Still couldn't pump it to sqz holes.
6/04/21: Spot 58sx Class C @ 6392'.

Procedure continued on attachment.

Spud Date: 3/7/18 Rig Release Date: 4/7/18

Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ www.emnrd.state.nm.us

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

SIGNATURE Erica Miles TITLE Geosciences Technician DATE 7/27/21
~~7/19/21~~

Type or print name Erica Miles E-mail address: EricaM@kfoc.net PHONE: 918-491-4548
For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 7/29/2021
Conditions of Approval (if any):

Plugging Procedure for Willow Lake WA 15 #1H continued...

- 6/07/21: WOC and Tag @ 5868'. Test to 1000#. Report to NMOCD. Perf Sqz holes @ 4550'. Couldn't pump in. Spot 58sx Class C @ 4603'.
- 6/08/21: WOC and tag @ 3138' w/ WL. Reported to NMOCD. Perf Sqz holes @ 785'. Couldn't pump into. Reported to NMOCD. Spotted 58 sx Class C @ 2842'
- 6/09/21: WOC and tag @ 2260'. Pressure-test to 1000#. Report to NMOCD and discuss plan forward.
- 6/10/21: Circ cement in 5 1/2" f/ 242' to surface.
- 6/17/21: Cut off wellhead. Found cement to surface on 5 1/2" X 9 5/8" annulus. Found cement to surface on 3 3/8" X 20" surface. No cement to surface on 9 5/8" X 13 3/8" annulus. Report results.
- 6/18/21: Topped off cement in 5 1/2" casing. Ran 1" down 9 5/8" X 13 3/8" annulus. Tagged @ 41'. Filled up annulus w/ cement. Weld on plate and marker.

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/5/2021	Willow Lake WA 15-1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Held PJSM & discussed JSA's. SI prod CP: 0 psi, SI intermediate CP: 1950 psi, & SI surface CP: 100 psi. MIRU Warrior Crane Serv crane, Schlumberger ELU, & Supreme Serv pres control equip. ND tree cap flange. NU 7 1/16", 5K Bowen flange, WL BOP, pump in sub w/ Howco valve, tool trap, 40' of lubricator, & grease injector head. RIH w/ 4.5" gauge ring on #20 junk basket, GR, & rope socket. Correlated GR to GR Energy Serv Radial CBL/GR/CCL dated May 2, 2018. Tagged PBTD at 8266'. POOH. Found fluid level at 1320'. Recovered 4 small pieces of soft rubber in junk basket. Gauge ring looked good. MIRU Do'er Rite Serv pump truck. Filled prod csg w/ 32 bbl fresh water. RIH w/ Isolation Scanner logging tool. Correlated GR, as before. Intentionally stopped end of tool at 8260', so that PBTD was not tagged. Logged to ~5800' at standard resolution logging speed w/ 0 psi prod CP. Saw very little cement. Saw no csg anomalies. RIH to 8260'. Applied 1K psi prod CP. Intermediate CP rose to 2100 psi. Logged to surface at standard resolution logging speed. Saw a little more cement. Saw no csg anomalies. RIH to 8260'. Applied 2K psi prod CP. Intermediate CP rose to 2175 psi. Logged to surface at standard resolution logging speed. Saw a little more cement. Saw no csg anomalies. Bled prod CP to 0 psi. SI well. LD tool string & lubricator. ND Bowen flange. NU tree cap blind flange, tapped 1/2" w/ needle valve. RDMO pres control equip, ELU, crane, & pump truck.

REPORTED BY:

Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	40,219
	PREVIOUS TOTAL COMPLETION COST	\$	51,270
	TOTAL COMPLETION COST TO DATE	\$	91,489
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	91,489

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/24/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

SI prod CP: 0 psi, SI intermediate CP: 2000 psi, & SI surface CP: 100 psi. Notified Mr. Gilbert Cordero, NMOCD Staff Manager, that P&A will begin 5/24/2021. Hobbs Anchors pull tested permanent anchors. Offloaded 258 jts 2 7/8", 6.5#, L-80, 8R tbg onto pipe racks. Took delivery of Stallion round bottom frac tank, pre-mix tank, & generator. MIRU Basic Energy Services WSU, 10K pump, mud tank, & PU/LD machine. ND tree cap flange. NU Basic Energy Services 7 1/16", 10K BOP & work plate. RU rig floor. RU Basic Energy Services accumulator. Function tested pipe rams & blind rams. MIRU Trionz flowback iron & choke manifold from intermediate csg to mud tank. Bled a very small amount of oil from intermediate csg to 0 psi. Secured well for night.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	57,786
	PREVIOUS TOTAL COMPLETION COST	\$	91,489
	TOTAL COMPLETION COST TO DATE	\$	149,275
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	149,275

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/25/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

SI prod CP: 0 psi, SI intermediate CP: 0 psi, & SI surface CP: 100 psi. Bled very little water w/ some oil from surface csg to 0 psi. RU tbg tongs & driller's platform. Offloaded 350 bbls 12.6 ppg OBM into pre-mix tank. Started generator & turned on mud mixers in pre-mix tank. Replaced blind flange on side outlet of BOP w/ 2", 10K gate valve w/ 1502 union. MIRU WS Energy Serv. Torqued BOP. Landed test plug in tbg hanger. Charted pres test of pipe & blind rams to 250 psi low & 7500 psi high. Pulled test plug out of tbg hanger. RDMO torque & test unit. Took delivery of second mud tank from Basic Energy Serv. RU choke manifold & iron to be able to take returns from tbg into mud tank during displacement. PU & WIH, tallying & drifting 1 jnt 2 7/8", 6.5#, L-80, 8R tbg, 2.313" ID X nipple, & 252 jts same tbg. Tagged on jnt 254 at 8265'. POOH w/ 5 stands tbg. Secured well. SDFN.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	18,323
	PREVIOUS TOTAL COMPLETION COST	\$	149,275
	TOTAL COMPLETION COST TO DATE	\$	167,598
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	167,598

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/26/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Tbg, prod csg, intermediate csg, & surface csg were all static. WIH w/ 5 stands tbg. Reverse circ 20 bbl diesel spacer, followed by 160 bbl 12.5 ppg OBM, displacing KCl water from prod csg w/ 12.5 ppg OBM. POOH w/ tbg. MIRU The Wireline Group (Capitan) ELU. ND work plate. NU 7 1/16", 10K flange w/ Bowen connection, pump in sub, lubricator, & grease injector head. RIH w/ 3 3/8" HSC perf gun loaded 4 SPF, 60 degree phase, w/ Owen 25 gr charges, 0.42" EHD & 48.7" TTP & CCL. Correlated CCL to GR Energy Services Radial CBL/GR/CCL log dated 5/2/2018. Applied 500 psi to prod csg. Opened intermediate csg through gut line on choke manifold to mud tank. Perforated 4 squeeze perms at 7200'. Lost 200 psi on prod csg. Had no flow from intermediate csg. POOH. All shots fired. Pumped 0.1 bbl mud & pressured prod csg to 500 psi. SD pump. Lost 200 psi in 2 mins. Had no flow from intermediate csg. Pumped 0.2 bbl mud & pressured prod csg to 1000 psi. SD pump. Lost 500 psi in 2 mins. Had no flow from intermediate csg. Spoke to Gilbert Corderro w/ NMOCD, updated him on our findings, & got his approval to increase pres applied to prod csg to 1500 psi. During the time taken to speak to Gilbert, prod csg pres had decreased to 0 psi. Pumped 0.2 bbl mud & pressured prod csg to 1500 psi. SD pump. Lost 900 psi in 2 mins. Had no flow from intermediate csg. ND flange w/ Bowen connection. NU work plate. WIH w/ 1 jnt tbg, X nipple, & 222 jts tbg to 7274'. Secured well. SDFN.

REPORTED BY:

Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	18,715
	PREVIOUS TOTAL COMPLETION COST	\$	167,598
	TOTAL COMPLETION COST TO DATE	\$	186,313
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	186,313

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/27/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Tbg & prod csg on slight vacuum. Intermediate csg & surface csg were static. MIRU Quasar Energy Serv cement pump truck & bulk cement transport trucks. MIRU Do'er Rite vacuum truck filled w/ fresh city water for mixing cement. Forward circ 5 bbl spacer, 5 bbl fresh water, 6.6 bbl (32 sx) 15.6 ppg Class H + 0.2% C-20 cement slurry, 5 bbl fresh water, 5 bbl spacer, & 32 bbl displacement OBM, in an attempt to spot a 300' balanced cement plug. SD pump. Opened tbg. Flowed back 6 bbl of OBM from tbg. Cement plug did not balance. Reverse circ out cement, fresh water, & spacers, which all appeared to be contaminated. Continued circ out OBM. Weighed OBM being circ out at 11.0 ppg, which is lighter than the 12.5 ppg OBM that was delivered to location. WIH w/ 15 stands tbg to 8247'. C&C mud by reverse circ OBM from surface to surface. At the end of the surface to surface circ, had 12.0 ppg OBM going in & 11.8 ppg OBM coming out. SD pump. Well was static. POOH w/ 15 stands tbg to 7274'. Spotted 300' balanced cement plug, as before. SD pump. Cement plug was balanced. POOH w/ 10 stands tbg to 6621'. Reverse circ 12.0 ppg OBM from surface to surface. Circ out a very small amount of what appeared to be contaminated cement. The spacer & fresh water that were circ out, also appeared to be contaminated. SD pump. Closed returns. Pumped 0.3 bbl OBM to apply 500 psi to well. SD pump. Took 2 minutes for pres to drop to 0 psi. Pumped 0.7 bbl OBM to apply 500 psi to well. SD pump. Took 3 minutes for pres to drop to 0 psi. Had no circ from intermediate csg. Secured well. SDFN. WOC.

REPORTED BY:

Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	16,290
	PREVIOUS TOTAL COMPLETION COST	\$	186,313
	TOTAL COMPLETION COST TO DATE	\$	202,603
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	202,603

Kaiser-Francis Oil Company				
DAILY COMPLETION REPORT				
DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
5/28/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E
OPERATIONS LAST 24 HRS				
<p>Opened well. Tbg was static. Prod csg was on slight vacuum. Intermediate csg & surface csg were static. Took delivery of 200 bbls 12.0 ppg OBM. WIH w/ 25 stands tbg to 8247' without tagging cement & well did not overflow from pipe displacement. Filled hole w/ 1 bbl OBM. C&C mud by reverse circ hole volume at 3 BPM & 1500 psi. Lost 37 bbl OBM while circ. SD pump. Pumped 0.1 bbl OBM to apply 500 psi to well. SD pump. Lost 500 psi in 1 minute. Called & updated Mr. Gilbert Corderro w/ NMOCD on our work & our plans. He said not to squeeze below a cement retainer, unless the cement retainer is drilled out after the cement squeeze. He would prefer a squeeze below a pkr, & he does not want more than a 500 psi squeeze. POOH w/ tbg. PU & GIH w/ Mesquite Oil Tools CPW squeeze pkr provided by MCSI Consulting. Set pkr at 6954' w/ 18K# compression. With tbg open, tested 5 1/2" x 2 7/8" annulus to 1K psi. Held 1K psi pres on annulus. RU Quasar cement pump truck. Pumped 0.3 bbl OBM down tbg to apply 500 psi to well, according to the gauge on the pump truck. The chart recorder showed 550 psi. Charted a 30 minute 550 psi pres test. Called Mr. Gilbert Corderro w/ NMOCD & told him that we charted a 550 psi pres test of the squeeze perms at 7200'. He said that was a satisfactory pres test & that he wants a CIBP set within 100' above squeeze perms w/ at least 35' of cement dump bailed on top of it. RD cement pump truck & vacuum truck. Bled pres from tbg and prod csg to 0 psi. Released & POOH w/ pkr. Secured well. SDFWE & for holiday on Monday.</p>				
REPORTED BY:		Scott McDaniel		
DAILY COST SUMMARY				
<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	27,153	
	PREVIOUS TOTAL COMPLETION COST	\$	202,603	
	TOTAL COMPLETION COST TO DATE	\$	229,756	
	PREVIOUS TOTAL DRILLING COST	\$	-	
	CUMULATIVE TOTAL D&E COST TO DATE	\$	229,756	

Kaiser-Francis Oil Company				
DAILY COMPLETION REPORT				
DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/1/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E
OPERATIONS LAST 24 HRS				
<p>Opened well. Prod csg, & intermediate csg were static. Surface csg had a slight blow. ND work plate. NU flange w/ Bowen connection. RU The Wireline Group (Capitan) ELU. Tested lubricator to 1K psi. RIH w/ 4.50" gauge ring, junk basket, 5' x 3 1/8" weight bar, & CCL. Correlated CCL to GR Energy Serv Radial CBL/GR/CCL log dated 5/2/2018. RIH to 7280', without tagging. POOH. Had a small piece of what appears to be tape in junk basket. The gauge ring looked good. RIH w/ 5 1/2", 20# 10K Plug Well Specialties CIBP, #20 setting tool, & CCL. Correlated, as above. Set CIBP @ 7170'. Stacked out weight on CIBP to confirm CIBP was set. POOH. Pumped 0.25 bbl OBM to apply 1K psi to prod csg. Pres tested CIBP to 1K psi for 30 minutes. RIH w/ 20' x 3 1/2" dump bailer, filled w/ 15.6 ppg Class H neat cement slurry, & CCL. Tagged CIBP at 7170'. Dumped a calculated 9.23' of cement slurry on top of CIBP. RIH w/ same bailer filled w/ 15.6 ppg Class H neat cement slurry. Dumped another calculated 9.23' of cement slurry, for a total of 18.46', on top of CIBP. Made 2 more dump bailer runs, as above, but each time the glass disk only had about a nickel size hole broken in it and the cement slurry did not dump out of the bailer. Will bring cement kits to location tomorrow to be able to mix cement w/ retarder & will try to locate a positive displacement bailer for use tomorrow. Secured well. SDFN.</p>				
REPORTED BY:		Scott McDaniel		
DAILY COST SUMMARY				
See attached cost sheet for breakdown of cost details.	TOTAL DAILY COMPLETION COST	\$	25,170	
	PREVIOUS TOTAL COMPLETION COST	\$	229,756	
	TOTAL COMPLETION COST TO DATE	\$	254,926	
	PREVIOUS TOTAL DRILLING COST	\$	-	
	CUMULATIVE TOTAL D&E COST TO DATE	\$	254,926	

Kaiser-Francis Oil Company				
DAILY COMPLETION REPORT				
DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/2/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E
OPERATIONS LAST 24 HRS				
<p>Opened well. Prod csg, intermediate csg, & surface csg were all static. RIH w/ 20' x 3 1/2" dump bailer, filled w/ 17.3 ppg cement slurry mixed from a NeoProducts NeoSuperSlurry cement kit, & CCL. Correlated CCL to GR Energy Serv Radial CBL/GR/CCL log dated 5/2/2018. Tagged at 7158'. Dump bailed an additional calculated 9.23' of cement slurry on top of CIBP, for a total of 27.69'. POOH. Dump bailer was empty. RIH w/ same dump bailer filled w/ 17.2 ppg same cement slurry. Correlated CCL, as above. Tagged at 7152'. Dump bailed an additional calculated 9.23' of cement slurry on top of CIBP, for a total of 36.92'. Logged a CCL log to 2470', for future correlation use. POOH. Dump bailer was empty. PU 2' x 3 3/8" HSC perf gun loaded 4 SPF, 60 degree phase, w/ Owen 25 gr charges, 0.42" EHD & 48.7" TTP, 5' x 3 1/8" weight bar, & CCL into lubricator. Pres tested pres control equipment to 1K psi. RIH w/ perf gun. Correlated CCL, as above. Pumped 0.7 bbl OBM to apply 500 psi to prod csg. Intermediate csg was open through choke manifold to mud tank, & monitored. Surface csg was open to atmosphere, & monitored. Perf 8 squeeze perfs at 6320'. Prod CP dropped to 0 psi in about 30 seconds. Intermediate csg & surface csg remained static. POOH. All shots fired. Pumped 0.1 bbl OBM to apply 500 psi to prod csg. SD pump. In 1 min, prod CP decreased to 170 psi, 2 min: 130 psi, 3 min: 120 psi, 4 min: 110 psi, 5 min: 100 psi, 6 min: 100 psi, 7 min: 90 psi, & 8 min: 90 psi. Applied 1K psi to prod csg without registering any pumped volume on flowmeter. SD pump. In 1 min, prod CP decreased to 270 psi, 2 min: 250 psi, 3 min: 230 psi, 4 min: 210 psi, 5 min: 200 psi, 6 min: 180 psi, 7 min: 160 psi, & 8 min: 150 psi. Intermediate csg & surface csg remained static. RD ELU. Called Mr. Gilbert Corderro w/ NMOCD & told him the results of attempting to establish an injection rate into the squeeze perfs at 6320' w/ 500 psi & the plan to spot a balanced Class C neat cement plug from 50' below & 450' above the squeeze perfs, then applying 500 psi to the prod csg, in an attempt to squeeze some cement into the squeeze perfs. Mr. Gilbert approved that plan. ND flange w/ Bowen connection. NU work plate. Secured well. SDFN.</p>				
REPORTED BY:		Scott McDaniel		
DAILY COST SUMMARY				
See attached cost sheet for breakdown of cost details.	TOTAL DAILY COMPLETION COST	\$	24,132	
	PREVIOUS TOTAL COMPLETION COST	\$	254,926	
	TOTAL COMPLETION COST TO DATE	\$	279,058	
	PREVIOUS TOTAL DRILLING COST	\$	-	
	CUMULATIVE TOTAL D&E COST TO DATE	\$	279,058	

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/3/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Prod csg & surface csg had a slight vacuum. Intermediate csg was static. WIH w/ 1 jnt 2 7/8", 6.5#, L-80, 8R tbg, X nipple, & 195 jts same tbg to 6392'. Reverse circ 12.0 ppg OBM from surface to surface at 2.5 BPM & 1500 psi. Lost no fluid while circulating. MIRU Quasar cement pump truck & Do'er Rite Serv vacuum truck filled w/ fresh city mixing water. Pumped 10 bbl spacer, 10 bbl fresh water, 11 bbl (45 sx) 14.8 ppg Class C neat cement slurry, 4 bbl fresh water, 4 bbl spacer, & 24 bbl OBM, to spot a 500' balanced cement plug. SD pump. Tbg was on vacuum. POOH w/ 10 stands tbg to 5741'. Reverse circ 2 tbg volumes. Circ out a small amount of cement slurry w/ first bottoms up. SD pump. Pumped 0.2 bbl OBM to apply 500 psi to prod csg. SD pump. Took 1 minute for prod CP to drop to 0 psi. Repeated application of 500 psi to prod csg 4 more times. Pumped a total of 0.9 bbl OBM. Each time pump was SD, it took 1 minute for prod CP to drop to 0 psi. WOC for 5 hrs. The cement slurry sample collected while mixing cement was rock hard. Opened well, tbg was static & prod csg was on a strong vacuum for a few seconds. WIH w/ 10 stands tbg to 6392' without tagging. Filled hole w/ 4 bbls OBM. Reverse circ one tbg volume at 2.3 BPM & 1000 psi without losing fluid. Secured well. SDFN.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	17,980
	PREVIOUS TOTAL COMPLETION COST	\$	279,058
	TOTAL COMPLETION COST TO DATE	\$	297,038
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	297,038

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/4/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Tbg was on a slight vacuum, prod csg was on a strong vacuum for a few seconds, intermediate csg was static, & surface csg was on a slight vacuum. Took delivery of 200 bbls 12.0 ppg OBM. WIH w/ 23 jts tbg. Tagged on jnt #220 at 7145' PM. POOH w/ 23 jts tbg to 6392'. Loaded hole w/ 4.6 bbls OBM. Pumped 0.4 bbl OBM to pres prod csg to 500 psi. SD pump. Lost 400 psi in 1 minute, then held 90 psi f/ next 4 minutes. Pumped 0.2 bbl to 500 psi, lost 300 psi in 1 min, & held 200 psi f/ next 4 mins. Pumped 0.2 bbl to 500 psi, lost 280 psi in 1 min, & held 220 psi f/ next 4 mins. Pumped 0.1 bbl to 500 psi, lost 265 psi in 1 min, & held 190 f/ next 4 mins. RU Quasar cement pump truck. MIRU Do'er Rite Serv vacuum truck filled w/ fresh city mixing water. Pumped 10 bbl spacer, 10 bbl fresh water, 14 bbl (58 sx) 14.8 ppg Class C + 2% CaCl2 cement slurry, 4 bbl fresh water, 4 bbl spacer, & 24 bbl OBM, to spot a 631' balanced cement plug. SD pump. Tbg was on vacuum. POOH w/ tbg without circulating & without filling hole. WIH w/ 1 jnt tbg, X nipple, & 181 jts tbg. WOC for a total of 5 hrs. The cement slurry sample collected while mixing cement was hard. Tagged on jnt #183 at 5940' w/ 2K# weight, indicating that there is 380' of cement plug above squeeze perfs at 6320'. Cement appeared to possibly be somewhat soft on top. POOH w/ 2 stands tbg. To confirm tbg was not plugged, pumped down tbg & filled hole w/ 1 bbl OBM. POOH w/ an additional 8 stands tbg. Secured well. SDFWE. WOC.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	25,881
	PREVIOUS TOTAL COMPLETION COST	\$	297,038
	TOTAL COMPLETION COST TO DATE	\$	322,919
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	322,919

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/7/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Tbg & prod csg were on a slight vacuum. Intermediate csg & surface csg were static. WIH w/ 9 stands tbg. Tagged at 5868' w/ 8K# weight, indicating there is 452' of cement above squeeze perfs at 6320'. Pres tested cement plug to 1K psi for 30 minutes. Called Mr. Gilbert Corderro w/ NMOCD & updated him on the progress & forward plan. He approved. ND work plate. NU flange w/ Bowen connection. RU The Wireline Group (Capitan) ELU. PU 2' x 3 3/8" HSC perf gun loaded 4 SPF, 60 degree phase, w/ Owen 25 gr charges, 0.42" EHD & 48.7" TTP & CCL into lubricator. Pres tested pres control equipment to 1K psi. RIH w/ perf gun. Correlated CCL to The Wireline Group CCL log dated 6/2/2021. Applied 500 psi to prod csg. Intermediate csg was open through choke manifold to mud tank, & monitored. Surface csg was open to atmosphere, & monitored. Perf 8 squeeze perfs at 4550'. Took 2 1/2 minutes for prod CP to drop to 0 psi. Had no flow from intermediate csg or from surface csg. Pressured prod csg to 500 psi 4 times. When applying 500 psi, did not pump enough mud to even register on the totalizer. SD pump each time & it took 45 seconds for prod CP to drop to 0 psi. RD ELU. ND flange w/ Bowen connection. NU work plate. WIH w/ 1 jnt 2 7/8", 6.5#, L-80, 8R tbg., X nipple, & 140 jts same tbg to 4603'. MIRU Quasar cement pump truck & Do'er Rite Serv vacuum truck filled w/ fresh city mixing water. Pumped 10 bbl spacer, 10 bbl fresh water, 14 bbl (58 sx) 14.8 ppg Class C + 2% CaCl2 cement slurry, 4 bbl fresh water, 4 bbl spacer, & 14 bbl OBM, to spot a 631' balanced cement plug in prod csg. SD pump. Tbg was on a slight vacuum. POOH w/ tbg without circulating & without filling hole. Secured well. SDFN. WOC.

REPORTED BY:

Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	27,638
	PREVIOUS TOTAL COMPLETION COST	\$	322,919
	TOTAL COMPLETION COST TO DATE	\$	350,557
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	350,557

Kaiser-Francis Oil Company				
DAILY COMPLETION REPORT				
DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/8/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E
OPERATIONS LAST 24 HRS				
<p>Opened well. Prod csg & intermediate csg were static. Surface csg was on a very slight vacuum. ND work plate. NU flange w/ Bowen connection. Tested pres control equipment to 1K psi. RIH w/ 3 3/8" x 2' HSC perf gun loaded 4 SPF w/ 60 degree phase, Owen 25 gr charges, 0.42" EHD & 48.7" TTP & CCL. Correlated CCL to The Wireline Group CCL log dated 6/2/2021. Tagged at 3138', which was 834' higher than expected. Called Mr. Gilbert Corderro w/ NMOCD & told him the depth tagged by wireline. He asked where TOC should have been, which I told him was 3972'. He was satisfied w/ the depth tagged. I told him what the forward plan was, which he approved. Pumped 0.7 bbl OBM to apply 1000 psi to prod csg. Tested cement plug to 1K psi for 30 minutes. Bled pres from prod csg. Pressured 13 3/8" x 9 5/8" csg annulus to 700 psi w/ KCl water. Amount of fluid pumped to apply pres to 13 3/8" x 9 5/8" csg annulus was so little that it did not even register on the flowmeter. Held 700 psi for 5 minutes w/ no pres loss. Bled off pres. Correlated CCL as above. Applied 500 psi to prod csg. Perf 8 squeeze perfs at 2785'. Prod CP remained 500 psi. Monitored prod CP for 5 minutes. Had no pres loss. Bled off pres. POOH. All shots fired. Called Mr. Gilbert Corderro w/ NMOCD & informed of the latest news. He said to GIH w/ tbg to 50' below squeeze perfs & spot a balanced cement plug across the squeeze perfs. RD ELU. ND flange w/ Bowen connection. NU work plate. WIH w/ 1 jnt 2 7/8", 6.5#, L-80, 8R tbg, X nipple, & 86 jts same tbg to 2842'. RU Quasar cement pump truck. MIRU Do'er Rite Serv vacuum truck filled w/ fresh city mixing water. Pumped 10 bbl spacer, 10 bbl fresh water, 14 bbl (58 sx) 14.8 ppg Class C + 2% CaCl2 cement slurry, 4 bbl fresh water, 4 bbl spacer, & 4 bbl OBM, to spot a 631' balanced cement plug in prod csg. SD pump. Tbg was on a slight vacuum. POOH w/ tbg without circulating & without filling hole. Secured well. SDFN. WOC.</p>				
REPORTED BY:		Scott McDaniel		
DAILY COST SUMMARY				
<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST		\$	22,743
	PREVIOUS TOTAL COMPLETION COST		\$	350,557
	TOTAL COMPLETION COST TO DATE		\$	373,300
	PREVIOUS TOTAL DRILLING COST		\$	-
	CUMULATIVE TOTAL D&E COST TO DATE		\$	373,300

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/9/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Prod csg, intermediate csg, & surface csg were all static. WIH w/ 1 jnt 2 7/8", 6.5#, L-80, 8R tbg, X nipple, & 68 jts same tbg. Tagged on jnt #70 at 2260', 49' deeper than expected. This indicates that there are 525' of cement above the squeeze perms at 2785'. POOH, LD tbg. Loaded prod csg w/ 4 bbl OBM. Closed blind rams. Pumped 2 bbl OBM to apply 1K psi to prod csg. Pres tested cement plug to 1K psi for 30 minutes. Called Mr. Gilbert Corderro w/ NMOCD & gave him an update. He was satisfied. He asked that a cement plug be placed inside the prod csg from 200' to surface, then cut off the wellhead & attempt to place cement from 200' to surface inside the 9 5/8", 13 3/8", & 20" csg. RDMO ELU. WIH w/ tbg from derrick. POOH, LD tbg. RD rig floor & tbg tongs. RD & lowered driller's console. RD BOP accumulator. Divine Oil & Gas torque crew ND BOP & Divine Oil & Gas 10K frac valve w/ adaptor spool. Used torque wrench to loosen nuts on KFOC 15K frac valve, then tightened nuts w/ rig's wrenches. RDMO Trionz flowback iron & choke manifolds. Comanche Trucking vacuum truck returned approximately 300 bbls 12.0 ppg OBM to Cactus Drilling rig 170. Secured well. SDFN.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	19,698
	PREVIOUS TOTAL COMPLETION COST	\$	373,300
	TOTAL COMPLETION COST TO DATE	\$	392,998
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	392,998

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/10/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened well. Prod csg, intermediate csg, & surface csg were all static. ND & loaded out KFOC 15K frac valve to Oil Patch Group. RU rig floor & tbg tongs. PU & WIH w/ 7 jts 2 7/8", 6.5#, L-80, 8R tbg to 242'. MIRU Quasar cement pump truck & Do'er Rite Serv vacuum truck filled w/ clean city mixing water. Pumped 10 bbl spacer, 5 bbl fresh water, & 7 bbl (29 sx) 14.8 ppg Class C + 2% CaCl2 cement slurry from 242' to surface. POOH, LD tbg. Called Mr. Gilbert Corderro w/ NMOCD & gave him an update. He was satisfied. RDMO cement pump truck & vacuum truck. Returned 10K frac valve w/ 7 1/16", 15K x 7 1/16", 10K adaptor spool to Divine Oil & Gas. Do'er Rite Serv pump truck & vacuum truck cleaned inside pre-mix tank. Loaded out pre-mix tank. Loaded out 258 jts 2 7/8", 6.5#, L-80, 8R tbg, a set of same pup jts, a 2 7/8", 8R X nipple, & a set of pipe racks to Permian Enterprises. RDMO WOR, mud pump, & PU/LD machine. MO rig beam & BOP w/ accumulator. Do'er Rite Serv vacuum truck emptied cellar. Do'er Rite Serv backhoe dug around wellhead, mousehole, flowline, & supply gas line, & removed cellar. SDFN.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	(12,125)
	PREVIOUS TOTAL COMPLETION COST	\$	392,998
	TOTAL COMPLETION COST TO DATE	\$	380,873
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	380,873

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/11/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

Opened intermediate csg & surface csg. Both were static. Sullivan Welding & Fabrication welder cut windows in 13 3/8" csg. Apparently, the windows were cut too big & the 13 3/8" csg fell onto itself. Called for an excavator to dig deeper around the wellhead so that the 20" csg can be cut deeper to allow deeper access to the 13 3/8" csg. An excavator will not be able to start work until Wednesday, 6/16/2021. Warrior Technologies hydrovac unit hauled 2 loads from inside mud tank to disposal. SDFWE.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	10,973
	PREVIOUS TOTAL COMPLETION COST	\$	380,873
	TOTAL COMPLETION COST TO DATE	\$	391,846
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	391,846

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/14/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

ND gate valves from each side of wellhead. Warrior Technologies hydrovac unit finished cleaning inside mud tank. SD until Wednesday, 6/16/2021, awaiting arrival of excavator.

REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	11,134
	PREVIOUS TOTAL COMPLETION COST	\$	391,846
	TOTAL COMPLETION COST TO DATE	\$	402,980
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	402,980

Kaiser-Francis Oil Company

DAILY COMPLETION REPORT

DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/17/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E

OPERATIONS LAST 24 HRS

NMR Pipeline excavator dug approximately 3' deeper around wellhead. Sullivan Welding & Fabrication welder cut 3 small windows in 13 3/8" csg, then cut 9 5/8" csg & 5 1/2" csg. Then, welder cut 13 3/8" csg. None of the csg strings fell any farther downhole today. NWC Services 75 ton crane picked up wellhead. Could not see any cement in the 13 3/8" x 9 5/8" csg annulus. The cement inside the 5 1/2" csg appears to be approximately 35' below surface. There is cement to surface in the 20" x 13 3/8" csg annulus & there is cement to surface in the 9 5/8" x 5 1/2" csg annulus. Welder trimmed all casings in preparation of welding a steel cap inside each csg string. Welder cut mousehole 3' below ground level. Transferred wellhead's A section, B section, tbg head, & associated valves to Cameron in Odessa, TX. SDFN.

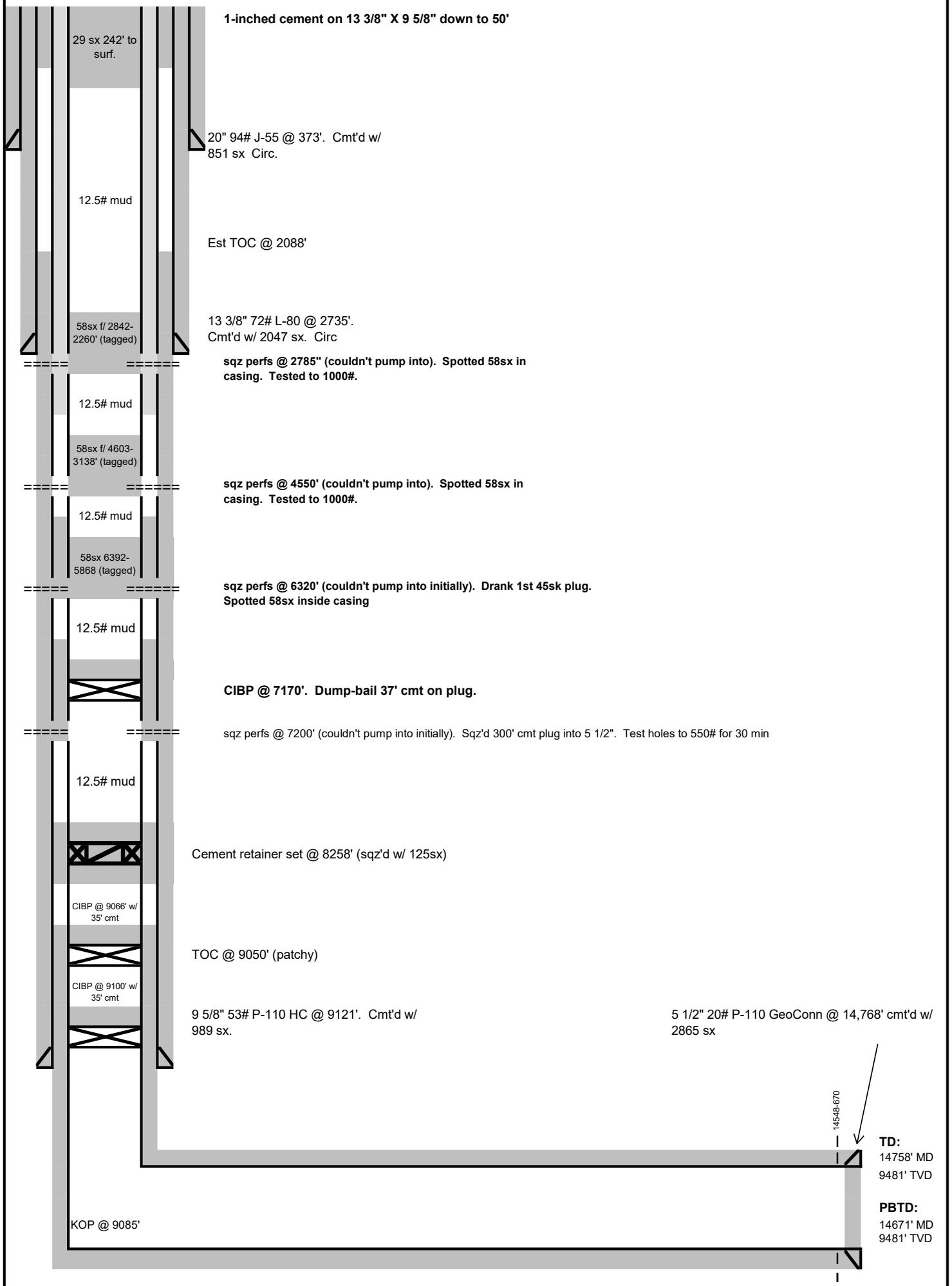
REPORTED BY: Scott McDaniel

DAILY COST SUMMARY

<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	11,051
	PREVIOUS TOTAL COMPLETION COST	\$	402,980
	TOTAL COMPLETION COST TO DATE	\$	414,031
	PREVIOUS TOTAL DRILLING COST	\$	-
	CUMULATIVE TOTAL D&E COST TO DATE	\$	414,031

Kaiser-Francis Oil Company				
DAILY COMPLETION REPORT				
DATE	WELL NAME	COUNTY	STATE	SEC. TWNSP, RANGE
6/18/2021	Willow Lake WA 15 1H	Eddy	NM	14-24S-28E
OPERATIONS LAST 24 HRS				
<p>MIRU Quasar Energy Serv cement pump truck & bulk cement transport truck. MIRU Do'er Rite Serv vacuum truck filled w/ fresh city water. WIH w/ 1" PVC pipe in 13 3/8" x 9 5/8" csg annulus. Tagged solidly at 41'. WIH w/ 1" PVC pipe inside 5 1/2" csg. Tagged solidly at 18'. Called Mr. Gilbert Corderro w/ NMOCD, updated him on the progress & the plan forward. Mr. Gilbert approved. WIH w/ 41' of 1" PVC pipe in 13 3/8" x 9 5/8" csg annulus. Filled 13 3/8" x 9 5/8" csg annulus to surface w/ 14.8 ppg Class C cement + 2% CaCl2 cement slurry. WIH w/ 18' of 1" PVC pipe inside 5 1/2" csg. Filled 5 1/2" csg to surface w/ 14.8 ppg Class C cement w/ 2% CaCl2 cement slurry. WOC for approximately 2 hours. Cement sample taken from cement mixing tub was hard, but did not see hard cement in 13 3/8" x 9 5/8" csg annulus or inside 5 1/2" csg. WIH w/ 1" PVC pipe in 13 3/8" x 9 5/8" csg annulus & tagged solidly at 41'. WIH w/ 1" PVC pipe inside 5 1/2" csg & tagged semi-hard cement at 10'. WIH w/ 41' of 1" PVC pipe in 13 3/8" x 9 5/8" csg annulus. Filled 13 3/8" x 9 5/8" csg annulus to surface w/ 14.8 ppg Class C cement + 2% CaCl2 cement slurry. WIH w/ 10' of 1" PVC pipe inside 5 1/2" csg. Filled 5 1/2" csg to surface w/ 14.8 ppg Class C cement w/ 2% CaCl2 cement slurry. WOC for approximately 2 hours. Cement sample & cement in 13 3/8" x 9 5/8" csg annulus & inside 5 1/2" csg were hard. RDMO pump truck, bulk cement transport truck, & vacuum truck. Do'er Rite Serv vacuum truck transferred approximately 60 bbl fresh city water, left over from cement mixing water, & approximately 130 bbl 2% KCl water, stored in mud tank, into frac tanks at Brantley Fee 2419 WC 2H. Sullivan Welding & Fabrication welder welded a 1/4" thick steel plate inside 5 1/2", 9 5/8", 13 3/8", & 20" csg. Welded 4" OD P&A marker post onto steel plate welded inside 20" csg, w/ required information welded onto post, & standing approximately 5' above ground. Do'er Rite Serv backhoe filled mousehole w/ dirt & backfilled excavated hole around wellhead w/ dirt. Released all rental equipment. WELL IS P&A'ED. FINAL REPORT.</p>				
REPORTED BY:		Scott McDaniel		
DAILY COST SUMMARY				
<i>See attached cost sheet for breakdown of cost details.</i>	TOTAL DAILY COMPLETION COST	\$	16,673	
	PREVIOUS TOTAL COMPLETION COST	\$	414,031	
	TOTAL COMPLETION COST TO DATE	\$	430,704	
	PREVIOUS TOTAL DRILLING COST	\$	-	
	CUMULATIVE TOTAL D&E COST TO DATE	\$	430,704	

Kaiser-Francis Oil Company		Willow Lake WA 15 1H (P&A)	
Field:	Purple Sage	API:	30-015-43995
County:	Eddy	Spud Date:	3/7/2018
State:	New Mexico	Completed:	
SHL:	Sec 14-24S-28E (1960' FSL & 220' FWL)	Elevation:	KB- 3020' GL-2995'
BHL:	Sec 15-24S-28E (2237' FSL & 245' FWL)	Diagram Updated:	June 18, 2021



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
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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

CONDITIONS
 Action 38438

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 38438
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	7/29/2021