

Well Name: KEG SHELL FEDERAL COM	Well Location: T26S / R28E / SEC 35 / LOT 4 / 32.001025 / -104.052099	County or Parish/State: EDDY / NM
Well Number: 902Y	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM106909	Unit or CA Name:	Unit or CA Number:
US Well Number: 300155365300X1	Well Status: Plugged and Abandoned	Operator: COG OPERATING LLC

Accepted for record –NMOCD gc12/6/2023

Notice of Intent

Sundry ID: 2757363

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/20/2023	Time Sundry Submitted: 11:15
Date proposed operation will begin: 10/20/2023	

Procedure Description: COG Operating LLC, requests approval for the following changes to the above approved APD. Well number for the Keg Shell Federal Com 902H (30-015-53653) be changed to the 902Y. We drilled surface section to 793’ and then ran 10-3/4” surface casing. We then cemented pipe to surface. Based upon the issues seen on the 901H a casing change is warranted which is the reason for the P&A.COG Operating LLC requests permission to skid the surface location and redrill as below: P&A well should be changed to Keg Shell Federal Com 902Y. In +-2 weeks we propose to plug the wells by filling each of them up from bottom with class C cement. The attached wellbore diagrams show the current and proposed view. We will then cut off the wellheads and weld on steel plates on top of the 10-3/4” csg with all the pertinent well data required by the BLM. We are requesting welded on plates vs the customary 4’ riser pipe because these plugged surface holes will be in the middle of the location/pad for the replacement wells. Each of the casings have already been pressure tested to +-1,500# for 30 minutes so the plugging procedure will not include a pressure test. See highlighted text in attached reports. Please advise if we can proceed with the plan below for all 3 of the subject wells: 1. TIH w/ tbq to btm (+-793’) 2. Mix and pump +-323 sx “C” cmt and fill entire hole 3. Cut off wellhead. Top off csg with cmt if necessary 4. Weld on ID plate (+-4’ from surface) 5. Back fill cellar 6. File subsequent reports See Attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Keg_Shell_Fed_Com_902H_Current_and_Proposed_20231020111409.pdf

Received by OCD: 11/29/2023 2:08:35 PM

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US Well Number: 300155365300X1	Well Status: Plugged and Abandoned	Operator: COG OPERATING LLC

Keg_Shell_Fed_Com_902H_Cmt_Circ_to_Surface_and_Press_Test_of_10.75__inch_surf_csg_Report_20231020111408.pdf

Conditions of Approval

Specialist Review

Combined_COA_Plugging__Abandonment_and_Reclamation__20231106084940.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MAYTE REYES

Signed on: NOV 06, 2023 07:56 AM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 925 N ELDRIDGE PARKWAY

City: HOUSTONState: TX

Phone: (281) 293-1000

Email address: MAYTE.X.REYES@CONOCOPHILLIPS.COM

Field

Representative Name: Gerald Herrera

Street Address: 2208 West Main Street

City: ArtesiaState: NMZip: 88210

Phone: (575)748-6940

Email address: gerald.a.herrera@conocophillips.com

BLM Point of Contact

BLM POC Name: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Approved

Disposition Date: 11/06/2023

Signature: Zota Stevens

Author:	<u>Leo Gallegos</u>	Well No.	<u>902H</u>
Well Name	<u>Keg Shell Fed Com</u>	API #:	<u>30-015-53653</u>
Field/Zone	<u>Purple Sage Wlcmp</u>	Location	<u>360' FSL & 855' FEL</u>
County	<u>Eddy</u>		<u>Sec 35, T26S R28E</u>
State	<u>NM</u>	GL:	<u>2,987</u>
Spud Date	<u>7/31/2023</u>		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Conductor	16	J55	75	120	20	600	surf
Surface	10.75	J55	45.5	793	14 3/4	582	surf

[illegible]

16 CND @ 120
Hole Size: 20

Hole Size: 10.75 CSG @ 793 14 3/4

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Conductor	16	J55	75	120	20	600	surf
Surface	10.75	J55	45.5	793	14 3/4	582	surf



10.75 CSG @ 793
Hole Size: 14 3/4

[illegible]

Daily Drilling Report



KEG SHELL FEDERAL COM 902H

Report Date: 8/1/2023

Report #: 2

Actual Days: 1.44

Well Info										
API / UWI 3001553653		Region / Division DELAWARE BASIN		District DELAWARE BASIN WEST		Field Name PURPLE SAGE		Producing Formation WOLFCAMP C SHALE		Original Spud Date 7/31/2023
State/Province NEW MEXICO		County EDDY		Latitude (") 32° 0' 3.244" N		Longitude (") 104° 3' 5.814" W		Well Type Development		Well Sub Type Production
Original KB/RT Elevation (ft) 3,011.70		Ground Elevation (ft) 2,986.70		KB-Ground Distance (ft) 25.00		AFE / RFE / Maint.# WA7.CDW.C061		Network/Order Number 10452588		Total Job AFE Amount (Cost) 5,239,551.00
Last Casing String Surface, 793.0ftKB				AFE Duration Total (days) 2.50		Planned Depth (TMD) (ftKB)		Daily Cost Total (Cost) 106,189.36		Cumulative Cost (Cost) 292,520.36
Rig CHARGER SERVICES, CHARGER 101				Wellbore Original Hole		End Depth (ftKB) 793.0		Depth Progress (ft) 224.00		End Depth (TVD) (ftKB) 792.9
Days LTI (days) 6.00		Days RI (days) 6		Hole Condition		Drilling Hours (hr) 6.00		Avg ROP (ft/hr) 37.3		Cum TL Days from Spud (days) 1.01
Comment										
Daily Ops Summary										
Ops and Depth @ Morning Report *** SUSPEND OPERATIONS ON THE KEG SHELL FEDERAL COM 902H ***										
Last 24hr Summary DRILL 14 3/4" SURFACE F/569' T/790', REPLACE PUMP PARTS, DRILL 14 3/4" SURFACE F/790' TO 793',CIRCULATE, TOOH, LAY DOWN BHA.R/U FOR CASING, RUN 10 3/4" CASING, CIRCULATE, CEMENT,TEST CASING, CLEAN CELLAR, MAKE ROUGH CUT ON CASING ***TD 14 3/4" SURFACE @ 13:00 ON 8/1/23*** ****RELEASE RIG TO SKID TO KEG SHELL FED COM 903H.*** *** NOTIFIED BLM IN EDDY COUNTY NEW MEXICO 6 HRS PRIOR TO RNG/CMTG CSG AT 13:15 HRS ON 8/1/23***										
24hr Forecast SKID RIG OVER TO KEG SHELL FEDERAL COM 903H										
General Remarks NO ACCIDENTS, INCIDENTS OR SPILLS.										
Responsible Daily Contacts										
Contact Name				Title				Phone Work		
SMITH GEORGE GRAHAM JASON DARRON KILLEN				DRLG SUPT DRLG SUPT CONTRACT DRLG FRMN						
Time Log										
Start Time	End Time	Dur (hr)	Phase	Op Code	Activity Code	Time P-T-X	Vendor (NPT)	Start Depth (ftKB)	End Depth (ftKB)	Operation
06:00	07:30	1.50	SURFAC	DRILL	DRLG	P		569.0	632.0	ROTATE DRILL 14 3/4" SURFACE F/569'- T/632' (63' @ 42FPH) WOB: 20K; GPM:495; SPP:850; RPM:75; TQ:12K.
07:30	09:00	1.50	SURFAC	DRILL	DRLG	P		632.0	652.0	SLIDE DRILL 14 3/4" SURFACE F/632'- T/652' (20' @ 13FPH) WOB:12K; GPM:495; SPP:850; TF.
09:00	11:30	2.50	SURFAC	DRILL	DRLG	P		652.0	790.0	ROTATE DRILL 14 3/4" SURFACE F/652'- T/790' (138' @ 55.2FPH) WOB: 20K; GPM:495; SPP:850; RPM:75; TQ:12K.
11:30	12:30	1.00	SURFAC	DRILL	CIRC	T	CHARGER SERVICES	790.0	790.0	REPLACE #2 PUMP SUCTION AND DISCHARGE VALVE #1 CYL, REPLACE #1 PUMP SUCTION AND DISCHARGE VALVES #2 CYL
12:30	13:00	0.50	SURFAC	DRILL	DRLG	P		790.0	793.0	ROTATE DRILL 14 3/4" SURFACE F/790'- T/793' (3' @ 6FPH) WOB: 20K; GPM:495; SPP:850; RPM:75; TQ:12K.
13:00	14:00	1.00	SURFAC	DRILL	CIRC	P		793.0	793.0	CIRCULATE PRIOR TO TOH.
14:00	14:30	0.50	SURFAC	CASING	TRIP	P		793.0	793.0	TOOH F/ 793- T/ BHA

Daily Drilling Report



KEG SHELL FEDERAL COM 902H

Report Date: 8/1/2023

Report #: 2

Actual Days: 1.44

Time Log										
Start Time	End Time	Dur (hr)	Phase	Op Code	Activity Code	Time P-T-X	Vendor (NPT)	Start Depth (ftKB)	End Depth (ftKB)	Operation
14:30	15:30	1.00	SURFAC	CASING	RNCS	P		793.0	793.0	LAY DOWN 14 3/4" SURFACE BHA
15:30	16:30	1.00	SURFAC	CASING	RNCS	P		793.0	793.0	PJSM WITH CASING CREW, RIGUP CASING CREW, ADJUST BOOM POLE ARM TO SAFER POSITION TO HANG TONGS
16:30	16:45	0.25	SURFAC	CASING	RNCS	P		793.0	793.0	MAKE UP AND TEST SHOE AND FLOAT COLLAR
16:45	18:00	1.25	SURFAC	CASING	RNCS	P		793.0	793.0	RUN 19 JTS TOTAL OF 10 3/4" 45.5 J-55 BTC SURFACE CASING F/SURFACE TO 793' WITH 21' KB CORRECTION. FLOAT SHOE (SET @ 792.30'), 1 JT CSG, FLOAT COLLAR (TOP @ 749.8'), AND 18 JTS 10 3/4" 45.5# J-55 BTC CSG. CASING SET @ 793'. TOTAL PIPE LENGTH 795.51' CENTRALIZERS RAN ON FIRST 3 JTS FOLLOWED BY EVERY OTHER JT FOR A TOTAL OF 11 CENTRALIZERS. ***SWEDGE UP LAST 2 JOINTS AND WASH CASING TO BOTTOM NO FILL ***
18:00	19:15	1.25	SURFAC	CEMENT	CIRC	P		793.0	793.0	CIRCULATE 1.5 CASING VOLUMES AT 5 BBL/S/MIN WITH FULL RETURNS,
19:15	22:00	2.75	SURFAC	CEMENT	CMNT	P		793.0	793.0	RIG UP CEMENT TRANS-TEX AND PERFORM CEMENT JOB AS FOLLOWS. TEST LINES TO 2,500 PSI PUMP 25 BBL SPACER. PUMP 85 BBL (275 SKS) 13.5#, 1.73 YIELD, LEAD CEMENT. PUMP 73 BBL (307 SKS) OF 14.8# 1.34 YIELD TAIL CEMENT. DROP PLUG & DISPLACE WITH 72 BBL BRINE. FINAL LIFT PSI = 330 PSI. BUMP PLUG WITH 800 PSI & HOLD FOR 5 MIN. BLEED BACK .5 BBL TO PUMP TRUCK. OBSERVED 28 BBL (123 SKS) CEMENT BACK TO SURFACE. . ***PLUG DOWN @ 21:45 HRS CST ON 8/1/2023***
22:00	22:30	0.50	SURFAC	WHDB OP	PRTS	P		793.0	793.0	TEST 10-3/4" CASING TO 1,500 PSI FOR 30 MIN (GOOD TEST)
22:30	23:30	1.00	SURFAC	WHDB OP	RURD	P		793.0	793.0	RIG DOWN CEMENT HEAD AND LINES, CLEAN CELLAR AND CUT CASING **** SUSPEND OPERATIONS ON KEG SHELL FEDERAL COM 901H @ 23:30 8/1/23 ***

Head Count / Manhours

Company	Function	Personnel Type	Count	Time (hr)	Tot Work Time (hr)

Mud Data

Type FRESH WATER	Solids, Corr. (%)	Low Gravity Solids (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entry (lb/...
Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 29	T Visc (°F)	PV Calc (cP)	YP Calc (lb/100ft²)	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
Vis 6rpm	Vis 3rpm	Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Gel 30 min (lb/100ft²)	API Filtrate (mL/30min)	HTHP Filtrate (mL/30min)	API Filter Cake (1/32")
Oil Water Ratio							
Electric Stab (V)	Flow Line Temperature (°F)	pH	Pm (mL/mL)	Mf (mL/mL)	Pf (mL/mL)		

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

- have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Doris Lauger Martinez
Environmental Protection Specialist
575-234-5926

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

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

CONDITIONS

Action 289500

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 289500
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	12/6/2023