| I | UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MANA | NTERIOR OCC | ON | DRM APPROVED //B NO. 1004-0135 pires: July 31, 2010 |
|---|---|---|------------------------------------|---|
| | Y NOTICES AND REPO | RTS ON WELLS | 5. Lease Serial NMLC0289 | |
| Do not use abandoned v | this form for proposals to vell. Use form 3160-3 (API | drill or to re-enter an D) for such proposals. | 6. If Indian, Allo | ottee or Tribe Name |
| SUBMIT IN T | RIPLICATE - Other instruc | tions on reverse side. | 7. If Unit or CA | Agreement, Name and/or No. |
| 1. Type of Well Oil Well 🗖 Gas Well 🔲 | Other | • | 8. Well Name an NORTH BEN | d No. ISON QUEEN UNIT 40 |
| 2. Name of Operator LINN OPERATING INC | Contact: E-Mail: nfitzwater@ | NANCY FITZWATER | 9. API Well No. 30-015-045 | 63 |
| 3a. Address 600 TRAVIS, SUITE 5100 HOUSTON, TX 77002 | | 3b. Phone No. (include area code Ph: 281-840-4266 | | ol, or Exploratory QUEEN,GRAYBURG |
| 4. Location of Well (Footage, Sec. | ., T., R., M., or Survey Description | ı) | 11. County or Pa | arish, and State |
| Sec 34 T18S R30E 1820FN | IL 820FWL | | EDDY COL | INTY, NM |
| 12. CHECK AP | PROPRIATE BOX(ES) TO |) INDICATE NATURE OF | NOTICE, REPORT, OR OT | THER DATA |
| TYPE OF SUBMISSION | | ТҮРЕ О | F ACTION | |
| Notice of Intent | C Acidize | Deepen | Production (Start/Resum | e) 🛛 Water Shut-Off |
| | □ Alter Casing | Fracture Treat | Reclamation | □ Well Integrity |
| □ Subsequent Report | Casing Repair | New Construction | Recomplete | □ ^{Other} |
| □ Final Abandonment Notice | Change Plans | Plug and Abandon | Temporarily Abandon | · · · |
| | Convert to Injection | Plug Back | U Water Disposal | · . |
| REQUEST TO PLUG AND | | ATTACHED | SEE ATTACH | S OF APPROVAL |
| MIRU PLUGGING EQUIPM | ENT. NU BOP. POOH W/F | PRODUCTION EQUIPMENT. | CONDITION | 2 OF AFFILOVAL |
| RIH AND SET 4-1/2" CIBP - PerF @ 1630, PERF & SQZ 75 SXS @ 99 | @ 2825'. CAP W/IT SXS C SGZ CMT TO G. WOC & TAG @ 500'. | CEMENT. CIRC HOLE W/ML | JD LADEN FLUID. | |
| SET 10 SXS CEMENT SUR | | 60' soz/circ | cont to surf | face in/out |
| CUT OFF WELL HEAD AN | D WELD ON DRY HOLE M | arker @ cut of all and | f verify cat | . to surf. |
| Ground Level Dry | Hole Marker Rea | suired | | CEIVED |
| 14. Thereby certify that the foregoing | Electronic Submission #1 | 160394 verified by the BLM We | Il Information System | C 1 2 2012 |
| | For LINN C Committed to AFMSS for | PERATING INC, sent to the C or processing by KURT SIMMC | ansuau | |
| Name (Printed/Typed) NANCY | · · · | Title SUPER | | D ARTESIA |
| Signature (Electroni | c Submission) | Date 11/15/2 | 012 | |
| | THIS SPACE FC | R FEDERAL OR STATE | OFFICE USE | |
| Approved By | Q. Om | DTitle 5¢ | PS . | /2-//-/ Date |
| Conditions of approval, if any, are attac | equitable title to those rights in the | not warrant or e subject lease Office CF | \triangleright | |
| which would entitle the applicant to con | | | | |
| certify that the applicant holds legal or which would entitle the applicant to cor Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudulet | 43 U.S.C. Section 1212, make it a nt statements or representations as | crime for any person knowingly an to any matter within its jurisdiction | d willfully to make to any departm | ent or agency of the United |
| which would entitle the applicant to con Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudule | nt statements or representations as | crime for any person knowingly an to any matter within its jurisdiction PERATOR-SUBMITTED * | • | |

at cut off virity cont to surf. all annulus Well Name: N8QU #40 NBQU #40 Current Wellbore Diagram Location: API No: 30-015-04563 Footage 12/28/1961 Spud Date B. Williams 10/18/2012 Lot E 1820 FNL and 820 FWL (-34-185-30E Section: WBD Update to sas surrace plug / Block Perf. 60 Sozleire. 2/28/61 Survey: Hole Size County: Eddy Co 32.7062134449868 -103.96573335485@ North Benson Queen Elevations: <u>Surf Csg:</u> Cement Blend: Returns: 8- 5/8" 24# (ran 575') 250 sx reg. cmt 25# Gilsonite per sack and 2% CaCl Lat/Long Field: 8-5/8" csg set @575' 3446 TOC: Cmt circ to surf 3458 KB. Hole Size KB-GL Calc WOC Tag N/A ck w/log? Int Csg: Logging Requirements: 525' ement Blend eturns: Date History TOC: Details of Perforations Perf'd 4-1/2" csg w/2 JSPF 2845-2852', Perf'd 2952-2960' w/8 holes, 3074-3082' Run 2-7/8" frac tbg, RBP and packer, set RBP@ 3100', spot 500 gal 12% HCl acid TOC @1525' 12/28/1961 Drilled to 600 ft. Ran 575' 8-5/8" eg. Set @575' w/250 sxs regular cmt 25# Gilsonite per sack and 2% Cacl. Drilled to TO @3150. Ran 3132' 4-1/2' 9.5# J-55 csg. Set @3132' w/300 svs 50-50 Pozmix 2% gel. TOC @1525'. Frac'd w/9,450 gal lease crude 14,273# sand. 1st stage 7,455 gals oil, 3727# sand 2nd stg. Min. psi 2700 Max psi 3500. Flowed 240 BOPD on 24/64' choke. parfe across perfs 3074-3082', set pkr @3040' Frac 3074-3082' w/10K gal gelled brine water w/1 lb/gal 20-40 sand 1630 SOZ CATH. WOCC Fracture Treatment Datalls. Tag / 53 D 10/4/60 Fract dw/9,450 gal lease crude 14,273# sand. 1st stage 7,455 gals oil, 3724# sand. 2nd stage. Min. psi 2700. Max. psi 3500. Flowed 240 BOPD on 24/64" choke. R/U pulling unit. Perf'd 2952-2960' w/8 holes Ran TIH to 3120', Displaced water w/oil and spotted 200 gal. Dowell x acid opposite the perfs. Pulled th nam in in 0.3220 upgeted water word and sported 200 gat. Dowen 4 did upposite we peris, ruled tog approx. 1000ft. Fracture treated w/15,905 gals lesse crude 18K # 20-40 sand 1st stg. Pumped 9,450 gals. Dropped 9 balls pumped 7,453 gals, Avg inj Rate 20.4 gpm. Avg sand 1,05 ppg. 448 bbls load oji to recover. Opened well, flowed back 35 bbis load. Flowed back 45 bbis load. No pressure on tbg, 20# on csg. 368 bbis to recover 10/10/30/2010 CT 20 0/12/2014 CT 2014/2014 C 10/10/1975 Perf'd 4-1/2" csg w/2 JSPF 2845-2852', 3074-3082'. Run 2-7/8" frac tbg, RBP and packer, set RBP@ 3100', spo 500 gal 12% HCl acid across perfs 3074-3082', set pkr @3040'. Frac w/1-lb/gal 20-40 sand w/10.000 gal gelied brine wir, pull R&P and packer. Run prod tbg, swab until sand returns divinish. Spot 500gal 12% Hcl acid across perfs @ 2845-2852', set pkr@ 2800'. Frac perfs 2845-2852' w/10,000 gal gelled brine water 3074-3082' Treat w/55 gal, scale inhibitor mixed w/275 gal. Treated fresh water. Flush w/50 bbis Frank w/JS gar State (infortion intext w/215 gar. Franket infortion water infortion) treated fresh water 6/13/2007 Acidize well. Perfs. 2845-3132'. Tagged 3119 - Clean out to 3132'. w/10K gal gelled brine water w/1 lb/gal 20-40 sand. Pull Bridge plug and pkr, run production tubing and swab until sand returns diminish our pump and equipment and PTP Set pkr@2760'. Spot acid over perfs 2845-3082'. Acidize perf w/2000 gai. 15% NE acid. Swab well. Treat w/55 7/23/1976 gal. scale inhibitor mixed w/275 gal. Treated fresh water. Flush w/50 bbls treated fresh water. Run pumping equip. Test and RTP. On 24 hr pt ending 7-21-76, well pumped 19 80 & 7 BW, GOR TSTM 3/8/1979 Casing Leak Survey - Risers installed on all casing strings with valves above ground and labeled for future Identification **Tubing Detail** Description MIRUPU POOH w/rods (see rod details) Sent in for repairs. Rods had a lot of paraffin thus a hot oil was ordered for treatment. NDWH NUBOP PU extra 39' of 2 & 3/8" pipe to tag fill. Pull up original string. MIRU L&W hot oiler nad hot oiled tbg w/20 bbls. Taily out pipe: 96 jts of 2-3/8" = 3023.53" (Seating Nipple) depth. 8/4/1999 Tag fill @3098' -3/8, 8rd Tagged bridge @3075'. Worker through bridge and set down on solid fill @3098'. CO fill to solid bottom 8/5/1999 Set CIBP @ 2825' @ 3125' by tally using 4' of KB for pipe correction (PBTD @ 3131') sxs cm1 Pump fallure. Changed pumping unit. Make: American, Size: 57-89-42, SL: 42, SPM: 8.8 Pmp Size 2x1-1/2 11/21/2005 x12 Acidize well. Perfs. 2845-3132'. Tagged 3119 - Clean out to 3132' 2845-2852 6/13/200 Rod Detail (top to bottom Rods Description 2952-2960 12/28/1961 3074-3082 Hole Size: Prod Csg: 4-1/2", 9.5# J-55 (ran 3132") Capacity (bbl/ft): Coment Blend: 300 sx 50-50 Pozmix 2% gel. eturns: 4 -1/2" 9.5# 1-55 Displacm Preflush: prod csg set @ 3132' Depth TOC 3132' TD 3150 1525 PBTD: 3131 and Cement Bl ail Cement Blend:

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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 <u>ninety (90)</u> 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. <u>Notification</u>: 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 575-393-3612.

3. <u>Blowout Preventers</u>: 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. <u>Mud Requirement</u>: 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. <u>Cement Requirement</u>: 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.

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. <u>Dry Hole Marker</u>: 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).

7. <u>Subsequent Plugging Reporting</u>: 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. <u>Show date well was plugged.</u>

8. <u>Trash</u>: 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 procedure.

J. Amos 3/6/11

Requirements for ground level dry hole markers <u>Well Identification Markers</u> Conditions of Approval (COA)

The BLM Carlsbad Field Office (CFO) Conditions of Approval (COA) Requires that ground level dry hole markers be placed on well within the Lesser Prairie Chicken habitat area. The dry hole markers will be to the following specifications. The operator will construct the markers as follows:

- 1. An 8 inch X 8 inch steel plate 1/8 to 3/16 of an inch thick is to be placed on the old dry hole marker stand pipe 2 inches from ground level, in the Lesser Prairie Chicken habitat area.
- 2. Steel plate may be welded or bolted approximately 2 inches from ground level on the stand pipes. If plates are bolted to the stand pipe, the person installing the plate will be required to weld a pipe collar on the plate and place a minimum of two set screws/bolt on each collar. Aluminum data plates may be bolted with minimum ¹/₄ inch bolt and locking nuts or self tapping fine threaded screws. A minimum of one in each corner is to be installed on each plate.
- 3. An 8 inch x 8 inch aluminum plate, which is 12 gauge or .080 sign material (1/8 inch aluminum plate may be used in place of the .080 plate) with the required information for that well stamped or engraved in a minimum 3/8 inch tall letter or number.
- 4. The following information will be stamped or engraved on the 8 inch X 8 inch aluminum plate in the following order.
 - a. First row: Operators name
 - b. Second row: Well name and number
 - c. Third row: Legal location to include ¹/₄ ¹/₄, Section, Township, and range. If the legal location cannot be placed on one row it can be split into two rows with the ¹/₄ ¹/₄ (example: 1980 FNL 1980 FWL) being on the top row.
 - d. Fourth row: Lease Number and API number.
 - i. Example marker plate: (attached)

NMOCD Order No. R-12965 also required the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a ground level dry hole marker was installed as required in the COA's from the BLM.



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 predisturbance 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 and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip 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.

- 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 Environmental Protection Specialist 575-234-5909, 575-361-2648 (Cell)

Terry Gregston Environmental Protection Specialist 575-234-5958

Jeffery Robertson Natural Resource Specialist 575-234-2230

Mike Burton Environmental Protection Specialist 575-234-2226

Jennifer Van Curen Environmental Protection Specialist 575-234-5905

Linda Denniston Environmental Protection Specialist 575-234-5974 Cody Layton Natural Resource Specialist 575-234-5959

Trishia Bad Bear Natural Resource Specialist 575-393-3612

Amanda Lynch Natural Resource Specialist 575-234-5922

John Fast Natural Resource Specialist 575-234-5996

Tanner Nygren Natural Resource Specialist 575-234-5975