

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Central Resources, Inc.

3. Address and Telephone No.
P.O. Box 1247, Bloomfield, New Mexico 87413 (505) 632-3476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FNL, 1980' FEL, Sec. 29, T31N, R16W

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Procedure:

Central Resources, Inc. will plug the well during 1999 as follows:

- Clear hole of all reasonably recoverable production equipment.
- Set retainer at 1246' and pump 12 sx cement below retainer and spot ²¹ 45 sx cement on top. bring top of plug to 1025'
- Perforate at ¹⁵² 142'.
- Break circulation out bradenhead and pump 55 sx cement to circulate 1 bbl and leave casing and annulus full.
- Set marker and reclaim location.

Appropriate notifications will be made in advance of plugging operations.

ENTERED
AFMSS

JUN 22 1999

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

6-16-99 BY Sm

6/22/99 Sm

14. I hereby certify that the foregoing is true and correct

Signed Rodney L. Seale Title District Manager

Date June 7, 1999

(This space for Federal or State office use)

Approved by Sharon A. Tealand Title Team Lead

Date 6/22/99

Conditions of approval, if any:

approved by: Jamie Walker US EPA Region 9

1/22/04

Title 18 U.S.C. Section 1001, makes 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 manner within its jurisdiction.

*See Instruction on Reverse Side

FARMINGTON COPY

P-A on file

API WELL # Well Name Well # Operator Name Type Stat County UL Sec Twp N/S Rng W/E Feet NS Ft EW Order_No
30-045-10425 HORSESHOE GALLUP UNIT 026 PLAYA MINERALS & ENERGY INC I A San Juan B 29 31 N 16 W 660 N 1980 E
R-1699

api_number status csg_1 csg_1q csg_1d csg_2 csg_2q csg_2d csg_3 csg_3q csg_3d
liner_size liner_quan tubing t_set_dept csg_perf 30-045-10425 WI 8 5/8 100 115S 4 1/2
1347 190S 2 3/8 1311 1302-1312

Procedure

MIRU, NUBOPE,

POOH Lay Down Rods & Tubing if present,

RIH with Gauge ring,

Pick up work string, Run Scraper if required,

RIH Set CIBP 1246 ', cap with 221 'cement .

Test casing.

POOH lay down tubing.

RU wire line RIH, perforate @ 150 ' + - 50' under surface casing shoe or Mesa Verde base whichever is lower..

Establish Circulation; circulate cement to surface inside and outside casing

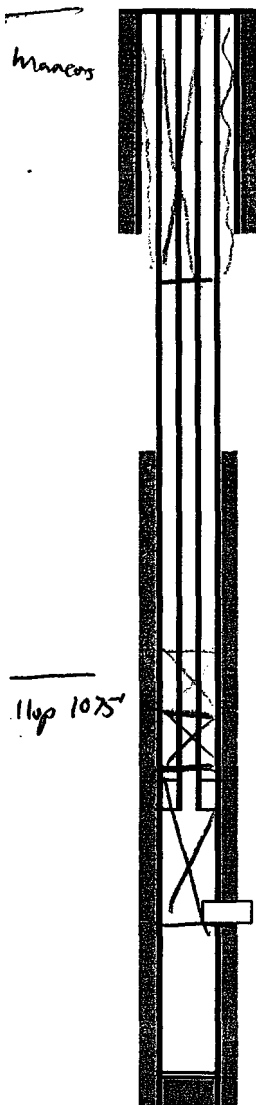
Cut off well head and install P&A marker

Cut off anchors 2' below ground

Clean and level location

CENTRAL RESOURCES, INC.

HORSESHOE GALLUP #26



Elevation: 5488' GL, 5495' KB

$$\frac{150}{10.96(1.18)} + \frac{50}{4.3899(1.18)} + \frac{100}{4.048(1.18)}$$

$$12 + 11 + 21 = 44 \text{ sacks}$$

100

Casing: 8 5/8" 24# J-55 set @ 92' w/115 sacks

plug 150 - surface using 55 sacks

Tbg: 2 3/8"

TOC ≈ 610' 75% eff.

$$\text{plug } 1246 - 1025 \quad (221 + 50) / 10.96 (1.18) = 21 \text{ sacks}$$

Refractor @ 1246' spacer w/ 115 sacks

Packer: Baker Model A set @ 1286' KB (10/31/60)

Perfs: 1296' - 1312', 4 SPF

PBTD: 1334'

Casing: 4 1/2" 9.5# J-55 set @ 1347' w/190 sacks

TD: 1447'

Location: 660' FNL & 1980' FEL
Sec. 29 T31N-R16W
San Juan County, NM

Field: Horseshoe Gallup

Zone: Gallup

Perfs: 1296' - 1312' (4 SPF)

Spud Date: 1/21/59

Completion Date: 3/15/59

Initial Stimulation: 100,000# 10/20 sand
34,440 gal. lease crude
Avg. psi 1700 @ 49 BPM

IP: 102 BOPD

Converted to Injector: 11/5/60

History:

There is one pulling report prior to conversion, for a pump change. After conversion the well was swabbed and cleaned out several times, but there is no record of equipment failures. The well was SI 6/72 due to low injection rates. It was unsuccessfully reactivated in 1984.

Cumulative production was 25,686 BO. Cumulative injection was 239,168 BW.

Tom DeLong
6-3-99

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: 26 Horseshoe Gallup Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Mike Flanikan with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of the Gallup plug to 1025'.
 - b) Place the surface plug from 150' - surface inside and outside the 4 1/2" casing.

Office Hours: 7:45 a.m. to 4:30 p.m.

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON DISTRICT OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Farmington District office, *Branch of Drilling & Production*.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured.

3.0 A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations and all unattended pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any constituent(s) of concern.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or *annular void(s) between casings*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the ~~rock~~ formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, *calculated using the bit size*, or 100' of annular capacity, *determined from a caliper log*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, *as calculated from a caliper log*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by: (1) tagging with the work string, or: (2) *for cased holes only*; pressuring to a minimum surface pressure of 500 PSI, with no more than a 10% drop during a 15-minute period.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, *without regard to any excess*.

- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 6.0 All wells are to be controlled by means of a wellbore fluid that is to be of a weight and consistency necessary to stabilize the wellbore. Wellbore fluid shall be left in place as filler between all plugs.
- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.
- 7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.
- 8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the District Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.
- 9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

**BLM FLUID MINERALS
Geologic Report**

Date Completed: 6/18/99

Well No.	Horseshoe Gallup Unit # 26	Location	660'	FNL &	1980'	FEL
Lease No.	14 - 20 - 603 - 734	Sec. 29	T31N			R16W
Operator	Central Resources, Inc.	County	San Juan	State	New Mexico	
Total Depth	1447'	PBTD 1334'	Formation	Gallup (WIW)		
Elevation (GL)	5488'	Elevation (KB)	5495'			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm					
Ojo Alamo Ss					
Kirtland Shale					
Fruitland Fm					
Pictured Cliffs Ss					
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee Fm					
Point Lookout Ss					
Mancos Shale			Surface	1075	Surface
Gallup			1075	PBTD	Oil & Gas/Water
Dakota Ss					
Morrison					

Remarks:

P & A

- BLM geologist's pick for the top of the Gallup fm. reflects the top of the transitional Tocito interval in this well. This top varies from operator's pick in this well.

- It is recommended that the Gallup top in this report be adequately covered with cmt.

Reference Well:

Same

NOTE: This well falls within the Uranium screening area. Called D. Sitzler (Solid Minerals - Rio Puerco FO) 6/17/99. No conflicts exist and no additional stipulations are required for this well.

ENTERED
AFMSS

JUN 18 1999

BY CEH

Prepared by: Chip Harraden CEH