

N.M. Oil Cons. Division
811 S. West Street
Artesia, NM, 88210-2834
8 44 AM '96
UNIT
RECEIVED
JAN 23 1997
OIL CON. DIV
DIST. 2
817/332-5108

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORT 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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. LC 030570A
2. Name of Operator Burnett Oil Co., Inc.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 801 Cherry Street, Suite 1500, Fort Worth, TX 76102	7. If Unit or CA, Agreement Designation 8910088670
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit F, 1980' FNL, 1980' FWL, Sec. 13, T17S, R30E	8. Well Name and No. GJSAU # 26
	9. API Well No. 30-015-04143
	10. Field and Pool, or Exploratory Area Grayburg-Jackson
	11. County or Parish, State Eddy County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion AS A UNIT PRODUCING
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 details, and give 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.)*

10/23-10/31/96 Dug 40' X 40' working pit, pull 4 1/2" tension packer, GIH w/6 1/4" bit & 7" scraper to top of 4 1/2" liner @ 2865', use 7" RBP & packer to locate leak in 7" production casing. Leak found from 1353' to 1385', dumped 15 gals of sand on top of RBP set @ 2830', Halliburton mixed & spotted 30 sxs Micro Matrix cement from 1231' to 1383', squeezed cement @ 1500 PSI staging @ 1/10 bbl. Pumped 12 1/2 sxs out casing over 2 1/2 hrs, left 17 1/2 sxs in casing, WOC 72 hrs. Released tension packer, GIH w/bit, tag cement @ 1288', drilled to 1385'. Pressured 7" casing to 400#I, held ok. Test witnessed by Gary Williams W/NMOCD 11/01-11/06/96 Clean out & circulate hole clean, run GA/CNL/CCL LOGS, set CIBP @ 3370', dump 35 sxs cement on top of plug, PBTD now 3335', perforate @ 3052'-54', 3086'-87', 3095', 3133', 3154', 3156', 3157', 3159', 3161'-62', 3193', 3200', 3218', 3220'-21', 3233' & 3267' w/select fire casing gun @ 1 SPF. Acidize 3052'-3267' w/2000 gals 15% HCL & swab on well. 11/07-11/15/96 Fraced perforated zones w/41,000 gals YF130 w/132,000# 20/40 hickory sand. Swab tested well for 3 days for an average of 15 BO. POOH w/workstring, GIH w/2 3/8" tubing & 5/8" sucker rods, SIW for pumping unit, electricity & flow line work

This conversion from Unit injector to producer requires that we lay a new production flow line from the well to the unit tank battery. in Unit K 13-17S-30E near the Unit #41 well. We also plan to extend this line up to the Unit #31 well for a more efficient system. This line will be buried in the existing GJSAU lease road ROW. We had an archaeological study by Desert West done on this area. This report dated December 5, 1996 was for three separate areas. We show that two(2) copies were sent to Carlsbad. We await your approval of this flow line work,

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

Signed Alexis C. Swoboda Title Petroleum Engineer Date 12/19/96
(This space for Federal or State office Use)
Approved by (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date JAN 27 1997
Conditions of approval, if any: SEE ATTACHED FOR CONDITIONS OF APPROVAL

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 matter within its jurisdiction.



Desert West

ARCHAEOLOGICAL SERVICES

December 5, 1996

Mr. Sterling Randolph
BURNETT OIL COMPANY, INC.
P.O. Box 188
Loco Hills, NM 88235

Dear Mr. Randolph:

Enclosed please find Desert West Archaeological Services (DWAS) Clearance Report for BURNETT OIL COMPANY, INC.'S proposed Grayburg Jackson Well No. 21 Tank Battery Pad; and Water Injection Lines serving the Grayburg Jackson Well No. 8, 21, 41, 26, and 31 in Sections 23, 14, and 13, T 17 S, R 30 E, Eddy County, New Mexico. One isolated occurrence (IO) was encountered during the archaeological investigation. Archaeological clearance is recommended for BURNETT OIL COMPANY, INC.'S proposed Grayburg Jackson Well No. 21 Tank Battery Pad, and Water Injection Lines.

The Bureau of Land Management will review this report and make the final decision on archaeological clearance for this project.

If you have any questions, please call our office.

Sincerely,

Arita Slate

cc: Mr. Rayford Starkey, BURNETT OIL COMPANY, INC., Loco Hills (2)
Bureau of Land Management, Carlsbad Resource Area, (2)

ARCHAEOLOGICAL SURVEY of BURNETT Oil Company's proposed Grayburg Jackson Well No. 21 Tank Battery Pad; (approx. 250' X 200'); Water Injection Line serving the Grayburg Jackson Well No. 8 and 21, (150' X approx. 1800'); and Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31; (150' X approx. 2700'); in Sections 23, 14, and 13, T17S, R30E, NMPM, Eddy County, NM

LAND STATUS: Federal (BLM)
USGS 7.5' Series, Loco Hills, NM (Prov. Ed. 1985)

PREPARED FOR: BURNETT OIL COMPANY, INC.
801 Cherry Street, Suite 1500
Fort Worth, TX 76102-6869

DWAS Report: 96-04D

NMCRIS#: 54805

David Wilcox, Project Director

DESERT WEST ARCHAEOLOGICAL SERVICES
P.O. Box 645
Carlsbad, New Mexico 88221-0645
(505) 887-7646

PERMIT NO.: 123-2920-I

DATE: December 5, 1996

Attention: Mr. Sterling Randolph

Distribution: BURNETT OIL COMPANY, INC., Fort Worth (1)
Mr. Rayford Starkey, BURNETT OIL COMPANY, INC., Loco Hills (1)
Bureau of Land Management, Carlsbad Resource Area, Carlsbad (2)

DESERT WEST ARCHAEOLOGICAL SERVICES
on lands administered by the
Department of the Interior
Bureau of Land Management
Roswell District, New Mexico

CULTURAL RESOURCES EXAMINATION
DWAS PERMIT NO: 123-2920-I
DWAS Job No.: 96-04D
NMCRIS# 54805

1. ABSTRACT:

An intensive archaeological survey of the BURNETT OIL COMPANY, INC.'S proposed Grayburg Jackson Well No. 21 Tank Battery Pad (approx. 250' X 200'; 1.14 acres); Water Injection Line serving the Grayburg Jackson Well No. 8 and 21, (150' X approx. 1800'; approx. 6.19 acres); and Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31; (150' X approx. 2700'; approx. 9.29 acres); were conducted on December 5, 1996; by Jon Blackwelder and James Hollen, Staff Archaeologists. Total area surveyed and inventoried for cultural resources was approximately 16.62 acres. The proposed projects are situated in Sections 23, 14, and 13, T17S, R30E, , NMPM, Eddy County, New Mexico. Mr. Jim Arline, BURNETT OIL COMPANY, INC., requested the archaeological investigation. Aside from one (1), isolated occurrence (IO), encountered during investigation of the Water Injection Line serving the Grayburg Jackson Well No. 8, and 21, no additional cultural resources were encountered. Archaeological clearance for BURNETT OIL COMPANY, INC.'S proposed Tank Battery Pad and Water Injection Lines are recommended as presently staked.

2. LEGAL DESCRIPTION:

T17S, R30E, , Sections 23, 14, and 13, NMPM, Eddy County, New Mexico

Grayburg Jackson Well No. 21 Tank Battery Pad (approx. 250' X 200'); Section 14: NW1/4 SE1/4 SW1/4 SE1/4;

Water Injection Line serving the Grayburg Jackson Well No. 8 and 21 (150' X approx. 1800'); Section 14: SE1/4 SW1/4 SE1/4; NE1/4 SW1/4 SE1/4; SE1/4 NW1/4 SE1/4; Section 23: NE1/4 NW1/4 NE1/4;

Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31 (150' X approx. 2700'); Section 13: NE1/4 NE1/4 SW1/4; NW1/4 NE1/4 SW1/4; SW1/4 SE1/4 NW1/4; NW1/4 SE1/4 NW1/4; SW1/4 NE1/4 NW1/4; SE1/4 NE1/4 NW1/4;

MAP REFERENCE: USGS 7.5' Series, Loco Hills, NM (Prov. Ed. 1985) [Figure 1]

LAND STATUS: BLM, Roswell District, Carlsbad Resource Area, NM

3. PROJECT DESCRIPTION:

Grayburg Jackson Well No. 21 Tank Battery Pad (approx. 250' X 200'; approx 1.14 acres); Water Injection Line serving the Grayburg Jackson Well No. 8 and 21 (150' X approx. 1800'; approx. 6.19 acres); Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31 (150' X approx. 2700'; approx. 9.29 acres). Total area surveyed and inventoried for cultural resources was approximately 16.62 acres, north of State Route 82, west of Skelly Road and Square Lake Road, and south-southwest of Square Lake.

TOPOGRAPHY:

The proposed projects are situated upon low to moderate relief dunal plains containing deflation basins of shallow to moderate depths. The project area is bisected in multiple areas by existing pipelines, access roads, existing well pads, and other oil and gas industrial developments and disturbances

Soils: Kermit-Berino Association: Sandy, deep soils from wind-worked mixed sand deposits.

Water Source: (Permanent): Pecos River, approx. 20 miles, west
(Potential): Cedar Lake Draw, approx. 2 miles, south-southwesterly

Aspect: 360 degrees to south-southeasterly

Elevation: Ranges from approximately 3660' to 3700'

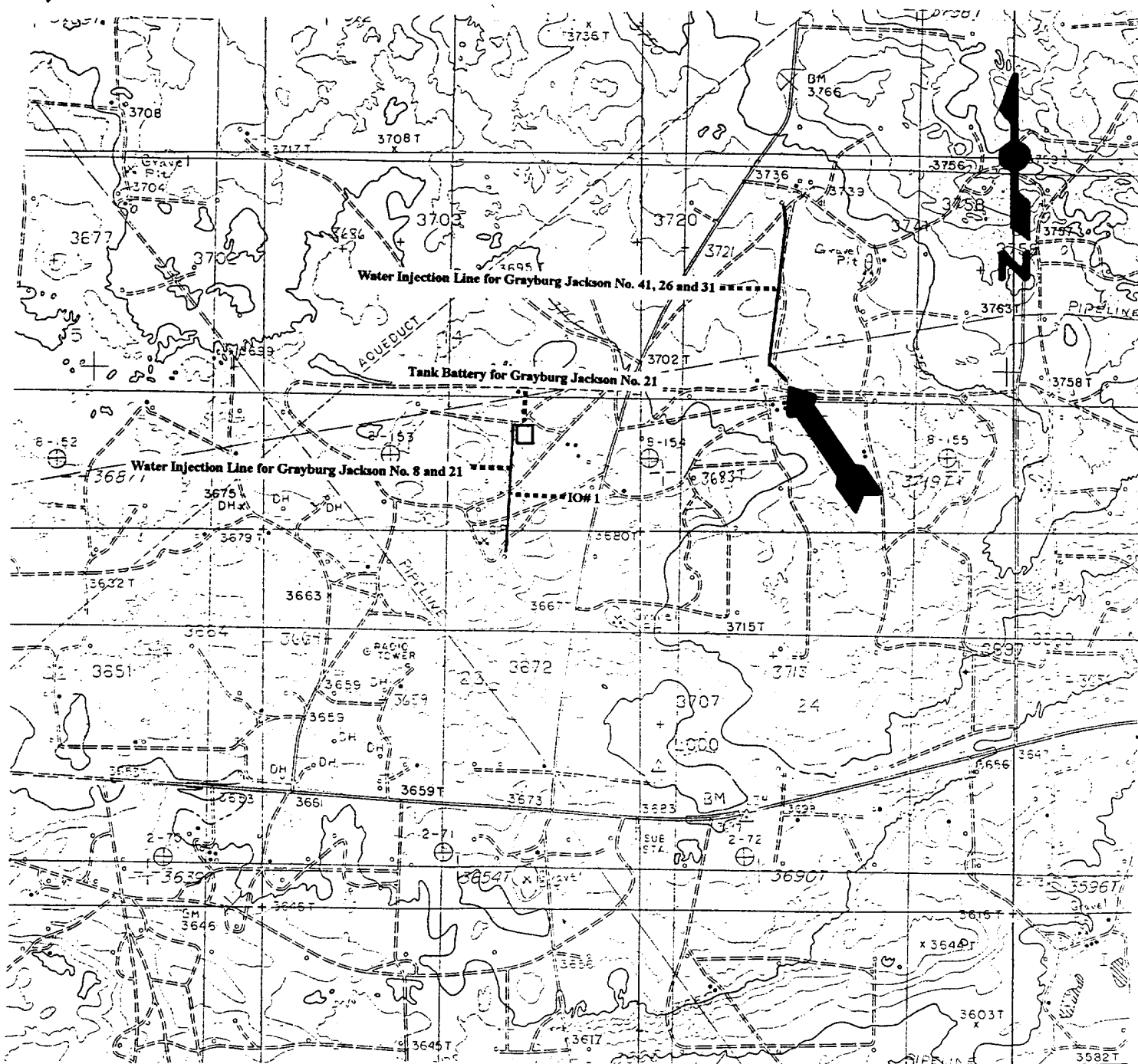


Figure 1. Showing BURNETT OIL COMPANY, INC.'S proposed Grayburg Jackson Well No. 21 Tank Battery Pad; (approx. 250' X 200'); Water Injection Line serving the Grayburg Jackson Well No. 8 and 21, (150' X approx. 1800'); and Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31; (150' X approx. 2700'); in Sections 23, 14, and 13, T17S, R30E, NMPM, Eddy County, NM Map Reference: USGS 7.5 Series, Loco Hills, NM (1985 Prov. Ed.)

Lithic Resources: outside of surveyed area

Vegetation: shin oak, mesquite, sage, yucca, prickly pear, Mormon Tea, and snakeweed

4. EXAMINATION PROCEDURE:

Straight and zigzag line transects, spaced not more than 15 meters apart.

Work hours on ground: 2 hours (2 archaeologists)

Area Delineation: staked by client

Visibility: 60-80%, due to vegetation

Lighting Conditions: good

Weather: sunny, clear, windy and cool

5. FINDINGS:

A BLM Prefield Literature Search for the project area conducted by Danny Boone, Staff Archaeologist, revealed no previously recorded sites within a 500' radius of the proposed project area.

6. RESULTS OF SURVEY:

One isolated occurrence (IO) was encountered during the archaeological investigation of BURNETT OIL COMPANY, INC.'S proposed Water Injection Line serving the Grayburg Jackson Well No. 8, and 21. No additional cultural resources were encountered during the other investigations. This isolate does not appear significant beyond the level of field recording.

Isolated Occurrence (IO)

IO#1, T 17 S, R 30 E, NW/4 SEA/4 SW/4 SE1/4; Section 14, NMPM, Eddy County, New Mexico. consists of three amethyst glass shards of Historic Temporality found mixed with other assorted modern trash. Map Reference: USGS 7.5' Series, Loco Hills, NM (Prov. Ed. 1985)

7. RECOMMENDATIONS:

Archaeological clearance for BURNETT OIL COMPANY, INC.'S proposed Grayburg Jackson Well No. 21 Tank Battery Pad and Water Injection Line serving the Grayburg Jackson Well No. 8, and 21, and Water Injection Line serving the Grayburg Jackson Well No. 41, 26, and 31 are recommended as presently staked. If additional cultural resources are encountered during construction, the BLM and DWAS should be notified immediately. Clearance, of course, is granted by the BLM.

James R. Hallen 12/6/76

