

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. SF-078904	
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 990' FNL X 990' FEL		8. FARM OR LEASE NAME Gallegos Canyon Unit	
14. PERMIT NO.		9. WELL NO. #83	
15. ELEVATIONS (Show whether SP, RT, GR, etc.) 5807' GR		10. FIELD AND POOL, OR WILDCAT Simpson Gallup/Basin Dakota	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/NE Sec 26, T28N, R12W	
		12. COUNTY OR PARISH San Juan	
		13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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.)*

Amoco Production Company requests approval to restimulate the subject well according to the attached procedure.

RECEIVED
OCT 03 1984
OIL CON. DIV.
DIST. 3

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

SIGNED B. D. Shaw

TITLE Administrative Supervisor

DATE 9/20/84
ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE OCT 03 1984

NMOCC

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA
BY 693

FARMINGTON DISTRICT WORKOVER

DATE: 9-5-84

OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE

LEASE AND WELL Gallinas Canyon Unit No. 83 FIELD Basin

FORMATION Dakota LOGS SP-GR TEL-Acoustic

LOCATION 990 ENLX 990 FEL, Sec 26, T28N, R12W, San Juan Co, NM

COMP. DATE 2/6/59 EL: 5818 TD: 6343 PBD: 6325

CSG: 95/8 " 112 @ 5'14": 7 " 20 " @ 6320

COMP. INT. 6200-6294, 5548-6/20 ORIG. STIM. 300000/5/1/300000

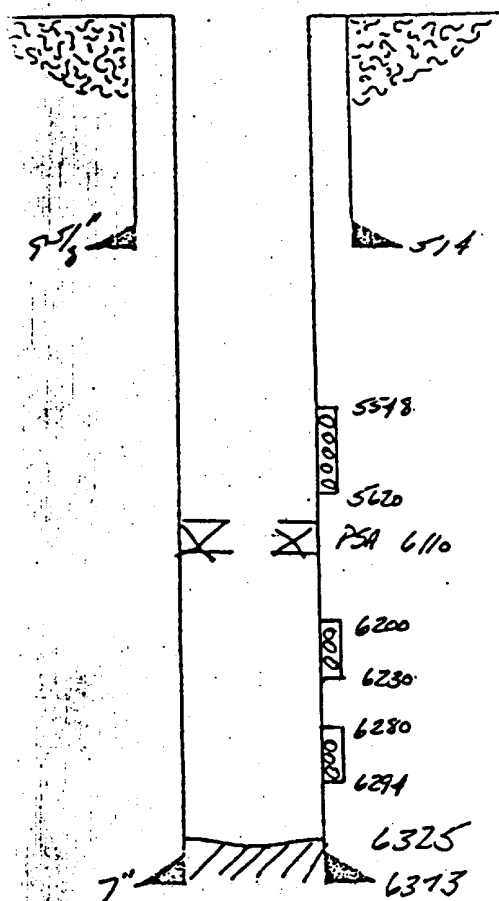
IP 3066 CURRENT PROD. INT. Same

PURPOSE: *Refers*

WJH TKA TWE GOM MCH PERMITTING DESK ENGR FILE

WELLBORE SKETCH

PROCEDURE



1. Nipple down wellhead, apply up BOP's. Trip out with long and short strings of $2\frac{3}{4}$ " tubing.
2. Trip in with $2\frac{3}{4}$ " tubing and packer picker and mill out packer. Clean out to PBD and trip out.
3. Trip in with $3\frac{1}{2}$ " free string and retrievable packer. Set packer at 6150. Set tubing in compression as recommended by service company.
4. Establish rate of 30 BPM with 2% KCl water. Shut down and obtain ISIP.
5. Free interval down tubing at 50 BPM with 36,000 gal 70 quality CO_2 foam* containing 2% KCl, 1 gal/1000 surfactant, 20 lbs/1000 gal, 104,000 lbs 20-40 sand, 1 gal/1000 scale inhibitor and 2 gal/1000 corrosion inhibitor as follows:

* May require pre-heating of 2% KCl base fluid

DISTRICT MANAGER *W. J. Lyons*

DISTRICT ENGINEER *Jim Attorneys*

DISTRICT FOREMAN

ENGINEER *D. Kanen*

DATE

<u>Stage Number</u>	<u>Stage Volume (gal)</u>	<u>Sand Concentration (ppg)</u>
1	12,000	0
2	4,000	1
3	50,000	2

6. Shut in for 2 hrs

7. Flow back to clean up. Use a choke in the 2" lines no bigger than $\frac{1}{2}$ ". A very slow flow back is important to minimize scale formation at the perforations.

8. Trip out with free string

9. Wireline set a production packer at 6100

10. Trip in with $2\frac{3}{8}$ " long string, make sure, & set assy. land at 6294. Run blast joints across Gallup perts.

11. Run $2\frac{3}{8}$ " short string and land at 5650. Set seating nipple on higher than 5600.

12. Run rods and pump and return to production

Notes:

1. Check sand quality before job is pumped.
Take a sample from the top of each sand hopper as well as from the outlet into the blender. Record the sieve analysis results and send to Dave Ramsey at the Main Office.

2. Run a viscometer test on each tank of base gel before pumping job & send results to Dave Ramsey.

Amoco Production Company
WELL REPAIR AUTHORIZATION AND REPORT

LEASE/UNIT NAME AND WELL NUMBER <i>Gallegas Canyon Unit No. 83</i>		HORIZON NAME <i>Dakota</i>	
FIELD <i>Basin</i>	COUNTY <i>San Juan</i>	STATE <i>New Mexico</i>	
OPERATOR <i>Amoco</i>	DISTRICT <i>Farmington</i>	ELEVATION <i>5819</i>	ELEV. REFERENCE PT. <i>KB</i>
LAST PRODUCING WELL ON LEASE YES ☐ NO ☒		T.D. <i>6343</i>	LOCATION <i>990 HWY 990 FEL, SEC 26, T28N, R12W</i>
Amoco WORKING INTEREST <i>045.1.7</i>		OTHER WORKING INTERESTS <i>CCU Dakota Participating Area</i>	
Amoco NET INTEREST <i>045.2</i>	TOTAL REPAIR HORIZONS ☒	STATUS AFTER REPAIR PRODUCING ☒ INJECTION ☐	PRODUCTION INCREASE EXPECTED YES ☒ NO ☐

ORIGINAL BLANK	☐
CORRECTION	☐
DEFECT	☐
FLAC WILL NO	☐
HORIZON CODE	☐
CONTROL DATE	☐
MO. DAY YR.	☐

TYPE JOB SELECT ONE MAJOR (1) AND MAXIMUM THREE MINOR (2)

CONVERT TO INJECTION ☐ WATER FRAC ☒ ACIDIZE ☐ PLUG BACK ☐ WASHING SAND ☐ SET LINER OR SCREEN ☐ TREATING VOLUME - GAL. <i>66,000</i>	CONVERT TO PROD. ☐ OIL FRAC ☐ REPAIR CASING ☐ PERFORATE ☐ SAND CONTROL ☐ PULL LINER OR SCREEN ☐	DEEPEN ☐ ACID FRAC ☐ WHIPSTOCK ☐ CEMENT SQUEEZE ☐ OTHER ☐
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ESTIMATED COST

INTANGIBLES	
RIG COST	\$ <i>14,760</i>
EQUIPMENT RENTAL	<i>3,000</i>
CIRCULATING MEDIA	<i>2,500</i>
CEMENT AND SERVICE	
PACKERS AND EQUIPMENT	<i>1,800</i>
PERFORATE, LOG, WIRELINE	<i>1,000</i>
STIMULATION	<i>35,000</i>
LABOR	<i>4,000</i>
SPECIAL EQUIPMENT	
FISHING	
OTHER INTANGIBLES	<i>1,000</i>
TOTAL INTANGIBLES	\$ <i>66,460</i>
TANGIBLES	
CSG., TBG., HEAD, ETC.	
TOTAL GROSS COST	\$ <i>66,460</i>
Amoco WORKING INTEREST COST	\$ <i>34,360</i>

REPAIR DESCRIPTION		BEFORE	ANTICIPATED	UNIT PRICE
GROSS PRODUCTION				
OIL	BOPD			\$/BBL
WATER	BWPD			
GAS	MCFD	<i>13</i>	<i>450</i>	\$/MCF <i>140.7</i>
OTHER	/DAY			\$/UNIT
EXPECTED PAYOUT		<i>8</i> MONTHS		
GROSS INJECTION				
WATER	☐	GAS	☐	LPG
AIR	☐	STEAM	☐	OTHER
RATE		BEFORE ANTICIPATED		
PRESSURE				

REASON FOR WORK

This well is continually logging off and is on an abnormally high decline rate. Analysis has shown that the original completion was inadequate and the well is outperformed by its offsets. This workover will accomplish two things. First the well will be restimulated with a 70 quality foam to enhance production. Second, this will be the first foam stimulation to use CO₂ as an energizing fluid on an Amoco well in the San Juan Basin. The performance of the free fluid will be evaluated for its efficiency, cost, and the net treating pressure gain over "conventional" N₂ foam.

REPAIR RESULT DATE REPAIR COMPLETED	SUCCESS ☐ FAILURE ☐	MO. DAY YR.	RECOMMENDED <i>D.S. Ranges</i> <i>Jim Alford</i>	DATE <i>8-5-84</i> <i>9-12-84</i>
GROSS PRODUCTION DURING PAYOUT	OIL BOPD	GAS MCFD		
	WATER BWPD	OTHER /DAY		
GROSS INJECTION	RATE BOPD OR MCFD	PRESSURE PSIG		
ESTIMATED FINAL GROSS COST				
			AUTHORIZED <i>W. H. Leonard</i>	MO. DAY YR.