Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Dr., Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 820' FNL x 1600' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
Jicarilla Apache Tribal 151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla Apache Tribal 151

9. WELL NO.
4

10. FIELD OR WILDCAT NAME
Basin Dakota / Undes. Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW, Section 3, T26N, R5W

12. COUNTY OR PARISH 13. STATE
Rio Arriba NM

14. API NO.
30-039-20605

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6591' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☒		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other)			

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FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 plans to complete the Gallup and commingle with the Dakota as per the attached procedure. Work will commence upon approval.

Application for an unorthodox location has been filed with the NMOCC in Santa Fe

Verbal approval given to commence work by Hpeatter on 11/30/82
commingling approvals by NMOCD

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE Admin. Supvr. DATE 11-30-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DEC 0 1 1982
FOR JAMES F. SIMS
DISTRICT ENGINEER

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
Amoco Production Company	Jicarilla Apache Tribal 151	4

Unit Letter	Section	Township	Range	County
C	3	26 North	5 West	Rio Arriba

Actual Footage Location of Well:
820 feet from the North line and 1600 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
6591' GL	Dakota / Gallup	Basin Dakota / Undes. Gallup	320 / 160 Acres

1. Outline the acerage dedicated to the subject well by colored pencil or hachure marks on the plat below.

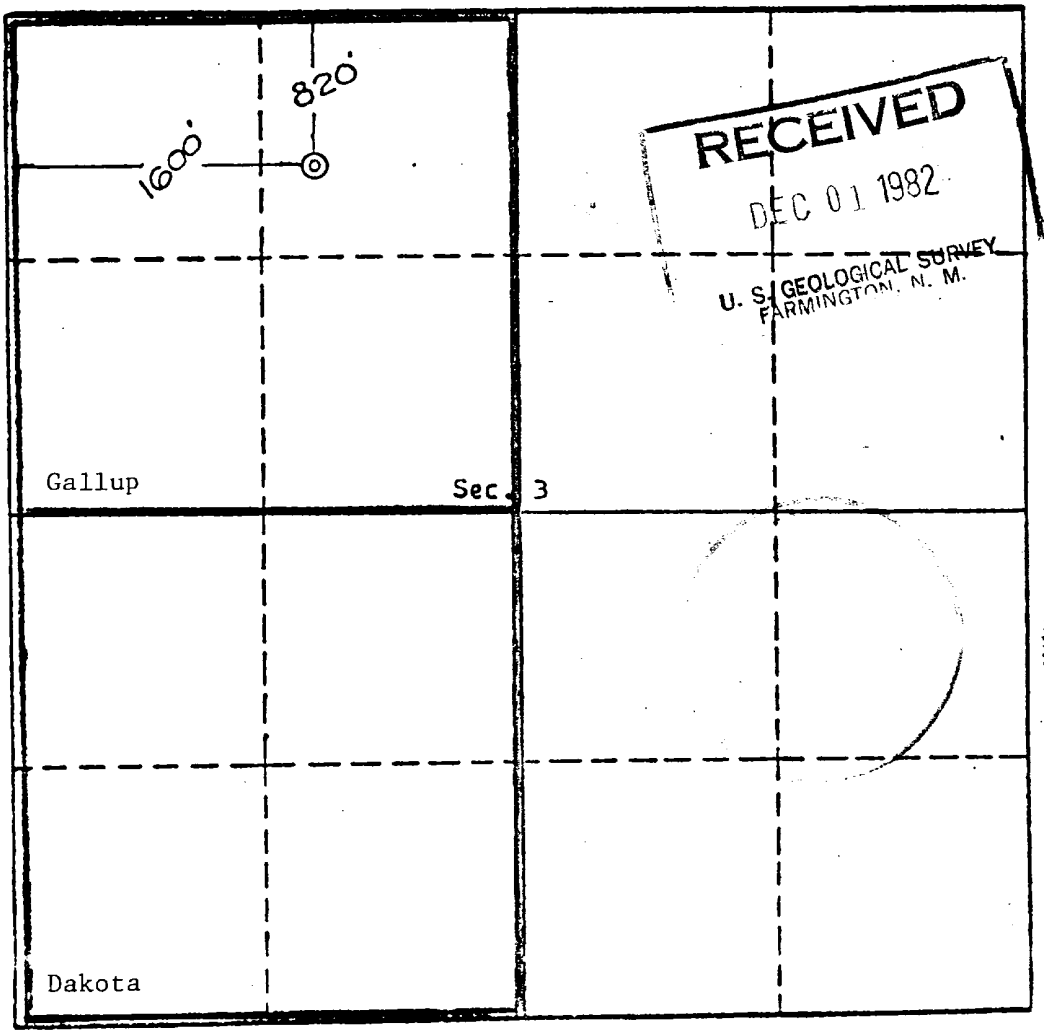
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

( ) Yes ( ) No If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: L. O. Speer, Jr.

Position: Area Superintendent

Company: AMOCO PRODUCTION COMPANY

Date: April 17, 1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: April 13, 1973

Registered Professional Engineer and/or Land Surveyor

Certificate No. E. V. Echohawk LS

FARMINGTON DISTRICT WORKOVER

Date: 11/23/82

ERATIONS TO BE PERFORMED: (Circle One) (Recompletion) Repair Service

SE AND WELL Jicarilla Apache 151 No. 4 FIELD Basin Dakota

RMATION Gallup- LOGS GR, Induction, CDL

CATION NW/4, Section 3, T26N R5W

P. DATE 5/30/73 EL: 6605' TD: 7734' PBD: 7716'

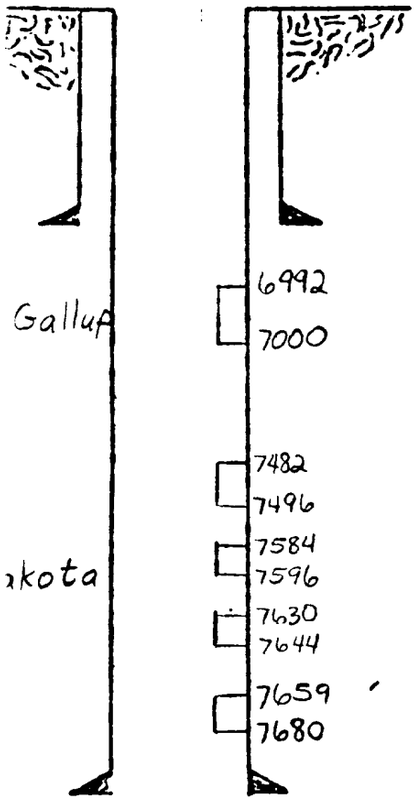
G. 4-1/2" 10.5 # K-55 @ 7748'; 10-3/4" 32.75 # H-40 @ 316

P. INT. 7482-7680' ORIG. STIM. water/sand frac

1987 MCFD CURRENT PROD. INT. 7482-7680'

RPOSE: Recomplete Dakota well to a commingled Gallup-Dakota well.

BORE SKETCH



PROCEDURE

1. Rig up service unit and trip out of hole hot with 2-3/8", 4.7 #, J-55, production tubing.
2. Run gage ring and gamma ray correlation log from 7100' to 6900'.
3. Wireline set retrievable BP at 7150'.
4. Pressure test bridge plug to 3850 psi.
5. Perforate gamma ray interval 7000-6992 with 4 JSPF.
6. Trip in hole with 2-7/8", 6.5#, N-80 tubing and packer. Set packer @ 6850.
7. Pressure test backside to 3850 psi.
8. Breakdown perfs with 2% KCl water and drop 50 ball sealers. Establish a rate and obtain an ISIP prior to dropping balls.

Approved: J. D. Blossom Jr.

By: Dale H Shoemaker

Date: 11-24-82

9. Shut down and flow well back to pit to dislodge balls from perfs.

10. Frac Gallup (7000-6992') down 2-7/8" tubing with 38,000 gals. of 20 pound cross-link gelled water containing 2% KCl, 1 gallon surfactant per 1000 gallons, and 60,000 lbs. of 10-20 mesh sand at 20 BPM (See Note) as follows:

A. Pump 10,000 gals. pad.
B. Pump 8,000 gals. @ 1.0 ppg.
C. Pump 8,000 gals. @ 2.0 ppg.
D. Pump 12,000 gals. @ 3.0 ppg.
E. Flush with 39 bbls. 2% KCl water.

11. Immediately after flush run 3 temperature surveys at 30 min. intervals from 7150-6900'.

12. Shut-in well an additional hour to allow time for gel to break.

13. Trip out of hole with 2-7/8" buttress tubing and packer.

14. Retrieve bridge plug at 7150'.

15. Trip in hole with 2-3/8" production tubing, production packer, and sliding sleeve. Set packer at 7430' with sliding sleeve 1 joint above packer.

16. Blank off Dakota and swab on Gallup (6992-7000') until a flow rate is established.

17. Report flow rate to Main office before proceeding to step 18.

18. Shut well in for 7-day pressure build up test.

Note: For treating rates given below, do not exceed corresponding pressures.

Rate (bpm)	Maximum Pressure (psi)
0	3850
2	3850
4	4040
6	4260
8	4535
10	4880
12	5350
14	5770
16	6320
18	6930
20	7620

Approved: S. D. Blossom Jr.
Date: 11-24-82

11-23-82

DHA
11/23/82