

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-75

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

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" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL ☒ WELL GAS ☐ WELL OTHER ☐		7. Unit Agreement Name
2. Name of Operator Amoco Production Company		8. Farm or Lease Name Abrams K
3. Address of Operator 501 Airport Drive, Farmington, New Mexico 87401		9. Well No. 1
4. Location of Well UNIT LETTER <u>I</u> <u>1850</u> FEET FROM THE <u>South</u> LINE AND <u>350</u> FEET FROM THE <u>East</u> LINE, SECTION <u>26</u> TOWNSHIP <u>29N</u> RANGE <u>10W</u> NMPM.		10. Field and Pool, or Wildcat Armenta Gallup
15. Elevation (Show whether DF, RT, GR, etc.) 5567' GR		12. County San Juan

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER <u>Recomplete</u> ☒	CASING TEST AND CEMENT JOBS ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests approval to recomplete the subject well in the Mesaverde formation according to the attached procedure.

RECEIVED
JAN 09 1985
OIL CON. DIV.
DIST. 3

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

Original Signed By

SIGNED B. D. ShawTITLE Administrative SupervisorDATE 1-4-85

APPROVED BY

SUPERVISOR DISTRICT # 3

TITLE

DATE JAN 09 1985

CONDITIONS OF APPROVAL, IF ANY:

Shaw T.A. expires 1/9/86

RECOMPLETION : CALLUP TO MESA VERDE
FARMINGTON DISTRICT COMPLETION
PROCEDURE

Date: 12/27/84

WELL NAME: Abrams K No. 1 FIELD: BLANCO MESA VERDE

LOCATION: 1850' FEL x 350' FEL, SEC 26, T29N FORMATION(S):
RIO AL, SAN JUAN Co., NM

ELEVATIONS: KB: 5567 TD: 5904 PBD: 5858'

CASING: 11 3/4", 42", H-40, CSA 302'
5 1/2", 15.5#, K-55, CSA 5900'

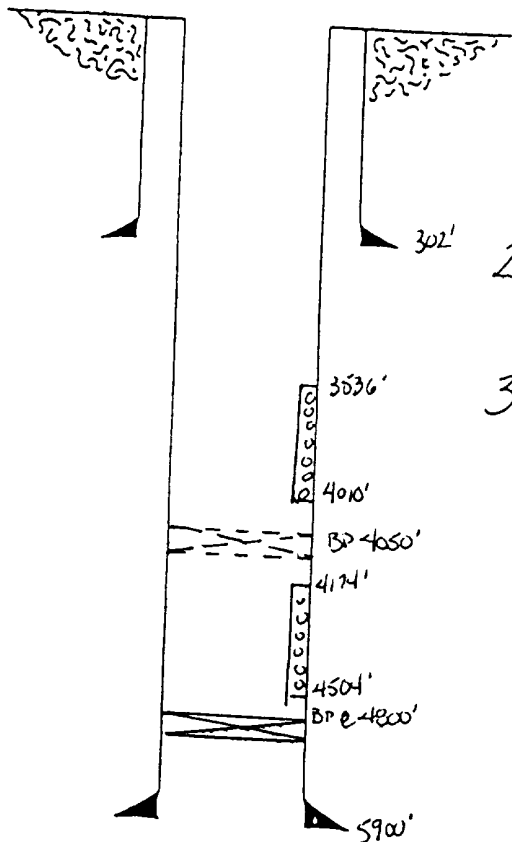
LOGS: DIL-SP-GR, FDC-CAL-GR-CAL

DV TOOL SET AT: 3000'

WJH	TKA	TWE	GOM	MCH	RWO	2DF	ENGR	FILE
			DHS	RGH				
				BVD				
				GMK				

WELLBORE SKETCH

PROCEDURE



1. MI x RUSU, ND WELLHEAD, NU BOP, TO x 22' of 1 1/4" polished rod, 1862' of 7/8" sucker rods, 3752' of 3/4" sucker rods and 2 1/2" x 1 1/2" x 20' RWBC pump. TO x 2 3/8 in, 6.4# J-55 tubing set at 5704' and Bater Model B-3 tubing anchor set at 5359'. See Note 1.
2. Run Gamma Ray Correlation Log from 4800' to 3400'. See Note 2.
3. WIRELINE SET a tubing retrievable BP at 4800' Dump SAND on top of. Clean to top of SAND plug x bit x CASING SCRAPER using Filtered 2% KCL WATER. FILTER ALL WATER to 1 MICRON. While RUNNING CASING SCRAPER, pick up ONE stand and lower again before making each connection. When a depth of 4870' is reached, rotate pipe while circulating. Circulate until water becomes clear. See Notes 3 & 4. P. test BP to 3000' x 2 gpf using a 4" gun. See attached spec sheet for specified charges.
4. PERFORATE Density Log Intervals 4504'-4508', 4436'-4440', 4410'-4414', 4390'-4394', 4370'-4373', 4342'-4355', 4322'-4332', 4303'-4313', 4284'-4298', 4259'-4274', 4233'-4248', 4225'-4228', 4210'-4222', AND 4174'-4206'.

DISTRICT MANAGER W. J. H. TRA

DISTRICT ENGINEER Jim Altemeyer

DISTRICT DRILLING SUPERVISOR T. W. Eason

ENGINEER David W. Schott

DATE 1-2-85

5. Frac Mesa Verde intervals 4174'-4508' down casing at 50 BPM with 220,000 gallons of 20 lb/1000 Crosslinked Gux-5 gelled water (this is a ^{or low} Neutral PH, low temperature system), 1 gal surfactant per 1000, sufficient breaker to break gel is 4 hours at 130°F, and 290,000 lbs of 10-20 mesh heavy SAND

Pump Schedule

<u>Fluo Vol. (gal/BBL)</u>	<u>Slurry Volume (gal/BBL)</u>	<u>SAND Conc (PPG)</u>	<u>Stage</u>
60,000 / 1429	60,000 / 1429	Pao	1
30,000 / 714	31,365 / 747	1	2
130,000 / 3095	141,832 / 3377	2	3
4170 / 99	4170 / 99	Flush	4

6. Leave well shut-in overnight. Without opening the well up, WIRELINE SET a retrievable BP at 4050'. Dump SAND on top of. Pressure test BP to 3800 psi

7. Perforate density log intervals 4000'-4010', 3956'-3970', 3906'-3916', 3876'-3880', 3856'-3865', 3836'-3848', 3827'-3831', 3792'-3809', 3724'-3728', 3696'-3708', 3590'-3601', 3562'-3567', 3536'-3564' using charges used in step 4 at 2 js pf.

8. BREAKDOWN perforated intervals 3536'-4010' x filtered 2% KCL water at 50 BPM down casing as follows:

a. Establish rate

b. Shut down for ISIP

c. Resume Rate and drop 392 ball sealers at 5 balls/bbl

d. Approximately 10,600 gallons of filtered 2% KCL water will be needed for this breakdown

9. Run junk basket to knock balls off ports.
10. FRAC upper Mesa Verde interval 3536'-4010' down casing at 50 BPM with 360,000 gallons of 20 lb/1000 gallons Crosslinked Gwx-5 gelled water (neutral pH, low temp system) 1 gal Surfactant per 1000, sufficient breaker to break gel in 4 hours at 130°F, and 510,000 lb of 10-20 mesh BRAY SAND.

Pump Schedule

<u>Fluid Vol (gal/BBL)</u>	<u>Slurry Volume (gal/BBL)</u>	<u>SAND Conc (PPG)</u>	<u>Stage</u>
90,000 / 2143	90,000 / 2143	PAD	1
30,000 / 714	31,365 / 747	1	2
240,000 / 5714	261,844 / 6234	2	3
3535 / 84	3535 / 84	Flush	4

11. Leave well SI for two days. Blow well down. Retrieve BP at 4050' and clean up both zones.
12. Load 2 3/8 inch tubing near bottom ports. Test well for seven days x GOR meter or test separator with 300 psi TFF back pressure to simulate pipeline conditions Obtain potential test. See note 5.

Notes

1. Have OT obtain fluid level x SICP prior to opening well. If rods have already been pulled, obtain BHP before opening up well. These data will be used for commingling order upon completion.
2. Previous GRCL runs over gravel intervals only.
3. Cement job should be good, cut top is at 0 ft.
4. Pressure tested to 3800 psi - OK during completion 3/18/84

5. Max treating pressure is 3800 psi
6. Filter all water to 1 micron
7. Clean all tools prior to filling
8. Do not drill out BP isolating the Gallup until
is notified. We must obtain commingle first
9. Please use Smith for the stimulation. They have done
the viscosity work and they fraced the Sanchez CN. 1
successfully using the 20 lb crosslinked system.