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Form C-105
Revised 11-1-58

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
APR 30 1985
OIL CON. DIV.
DIST. 3

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

1a. TYPE OF WELL
b. TYPE OF COMPLETION: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER Recompletion
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

7. Unit Agreement Name:
8. Farm or Lease Name: Abrams K
9. Well No.: 1
10. Field and Pool, or Wildcat: Blanco MesaVerde
12. County: San Juan

2. Name of Operator: Amoco Production Co.
3. Address of Operator: 501 Airport Drive, Farmington, N M 87401
4. Location of Well: UNIT LETTER I LOCATED 1850 FEET FROM THE south LINE AND 350 FEET FROM THE east LINE OF SEC. 26 TWP. 29N RGE. 10W NMPM

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
5/7/83	5/14/83	3/26/85	5567'GR	5567'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
5900'	5858'	Two	→	Rotary	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 4508'-3536' MesaVerde
25. Was Directional Survey Made: Yes
26. Type Electric and Other Logs Run: DIL-SP-GR, FDC-CNL-GR-CAL
27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#,H40	302'	14-3/4"	510c.f. ClassB w/2%CaCl2 Circ. to	
5-1/2"	15.5#,K-55	5900'	7-7/8"	surface 1) 1117c.f ClassB 50:50 Poz	
				tailed in w/177c.f ClassB Neat	
				(see attached)	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	5710'	5300'

31. Perforation Record (Interval, size and number)
4174'-4186',4186'-4206,4210'-4228',
4233'-4248',4259'-4274',4284'-4313',
4322'-4355',4370'-4508',2 jspf, .54"
total of 560 holes. (see attached)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4174'-4508'	220,000 gal 20# gel and
	290,000 # 10-20 sand
3536'-4010'	360,000 gal 20# gel and
	510,000 # 10-20 sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
4/11/85	Flowing	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio
4/12/85	3 hrs	.75"			670		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
None	435 psig			5363		

34. Disposition of Gas (Sold, used for fuel, vented, etc.): To be sold
Test Witnessed By: J.J. Barnett

35. List of Attachments: Items #28 Cementing Record, #31 Perforation Record

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED BD Shaw TITLE Adm. Supervisor DATE 4/26/85

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo 537	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland 1395	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs 1880	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House 3450	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee 3566	T. Madison
T. Queen	T. Silurian	T. Point Lookout 4170	T. Elbert
T. Grayburg	T. Montoya	T. Mancos 4420	T. McCracken
T. San Andres	T. Simpson	T. Gallup 5380	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from..... to..... No. 4, from..... to.....

No. 2, from..... to..... No. 5, from..... to.....

No. 3, from..... to..... No. 6, from..... to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from..... to..... feet. .....

No. 2, from..... to..... feet. .....

No. 3, from..... to..... feet. .....

No. 4, from..... to..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
537	884	347	Ojo Alamo				
1395	1880	485	Fruitland				
1880	1968	88	Picture Cliffs				
2503	3200	697	Chacra				
3450	3566	116	Cliffhouse				
3566	4170	604	Menefee				
4170	4420	250	Point Lookout				
5380	-	-	Gallup				

Item #28 Cementing Record (con't)

2) 1756 c.f. Class B 65:35 Poz tailed in with 118 c.f. Class B Neat.

Item #31 (con't)

Also 3536'-3564',3572'-3601',3696'-3728',3792'-3831',3836'-3865',
3876'-3916',3956'-4010', 2 jspf. .51" Total of 502 holes.

ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501 Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [x] Initial [ ] Annual [x] Special				Test Date: 4/12/85	
Company: Amoco Production Co.		Connection: Northwest Pipeline Corp.			
Pool: Blanco		Formation: MesaVerde		Unit	
Completion Date: 3/26/85	Total Depth: 5900	Plug Back TD: 5858	Elevation	Farm or Lease Name: Abrams "K"	
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.950 / Set At: 5900		Perforations: From 3536 To 4508		Well No.: 1	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5297		Perforations: From Sliding To Sleeve		Unit: I / Sec.: 26 / Twp.: 29 / Rge.: 10	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 5301		County: San Juan	
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	15 days						980		
1.	2.375 .. .750						435		3 hrs
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		447	1.000	.9258	1.048	5363
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 992 P_c^2 984064

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		451	203401	780.663
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2605$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1897$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6380$

Absolute Open Flow 6380 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Flared, Lite oil, Lite H2O

Approved By Division	Conducted By:	Calculated By:	Checked By:
	B&R Services	J.J. Barnett	

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	ABRAMS "B"	1A

Unit Letter	Section	Township	Range	County
I	26	29N	10W	San Juan

Actual Footage Location of Well:
1350 feet from the South line and 350 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5554	Mesaverde	Blanco Mesaverde	320 Acres

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

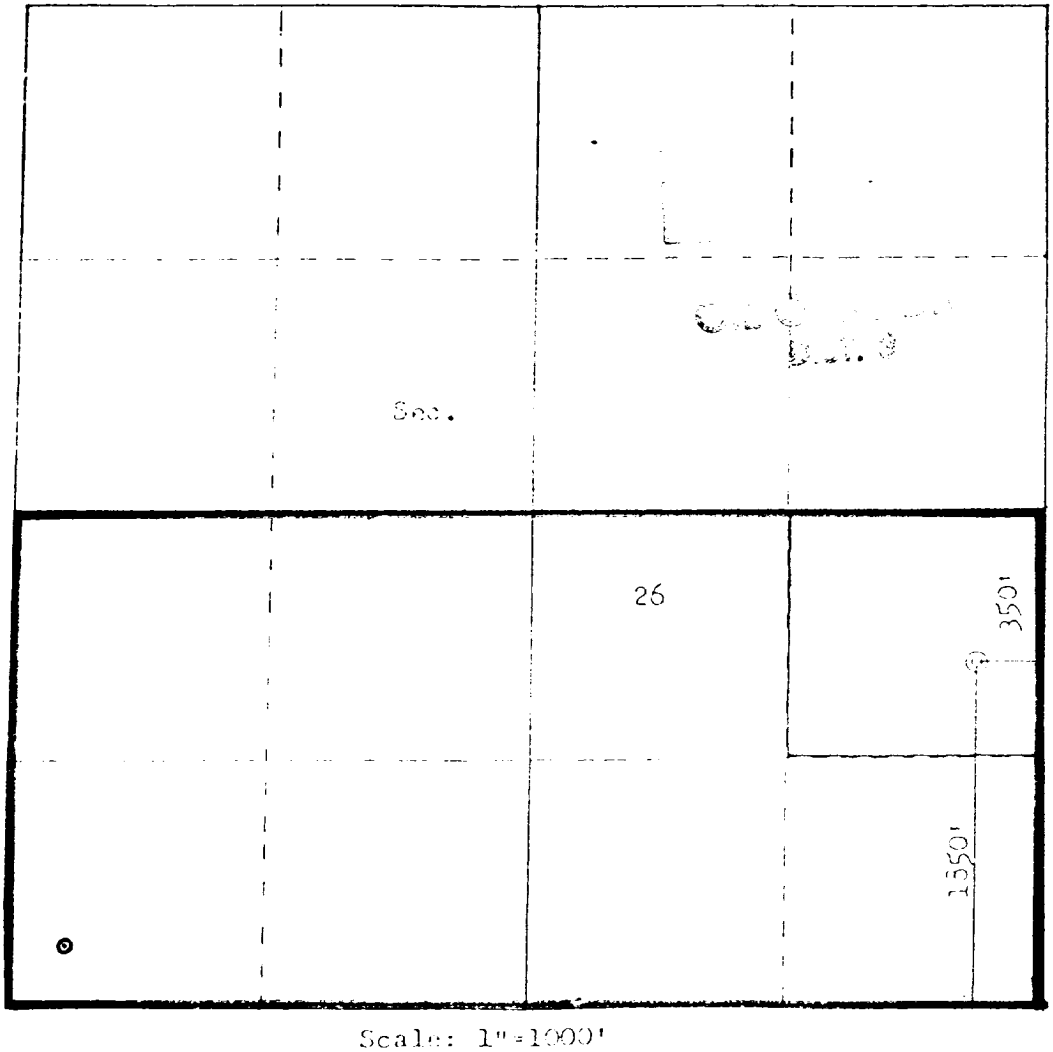
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 been 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.



Scale: 1"=1000'

CERTIFICATION

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

Dale H. Shoemaker

Name
DALE H. SHOEMAKER

Position
DISTRICT ENGINEER

Company
AMOCO PRODUCTION COMPANY

Date
MARCH 15, 1983

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
February 24, 1983

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.

Certificate No.
3950

FORM 24-11