5 NMOCD, Aztec 1 DE 1 Amoco 1 Dugan 1 File

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

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OIL CONSERVATION DIVISION

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
MAR 21 1986
OIL CON. DIV.
DIST. 3

CONFIDENTIAL

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
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Greener Grass
2. Name of Operator: JEROME P. McHUGH
9. Well No.: 1
3. Address of Operator: P O Box 809, Farmington, NM 87499
10. Field and Pool, or Wildcat: Gavilan Mancos
4. Location of Well: UNIT LETTER J LOCATED 1850 FEET FROM THE South LINE AND 1850 FEET FROM THE East LINE OF SEC. 10 TWP. 24 N RGE. 2 W NMPM
12. County: Rio Arriba

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
6-30-85	7-17-85	8-20-85*	7255' GL; 7267' KB	7255' GL

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8085' KB	8042' KB		→	TD	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 6703-6932', Mancos
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: DIL, FDC-CNL, CBL-GR-CCL
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
9-5/8"	36#	264' KB	12-1/4"	171 cf class B w/ 2% CaCl$_2$	---
5-1/2"	17.0 & 15.5#	8084' KB	7-7/8"	See attached. Total-3469 cf	---

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	7042' KB	

31. Perforation Record (Interval, size and number)

See attached

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6703-6932	79,413 gal. gelled water;
	92,000# 20/40 sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
8-20-85*	Swab test; plan to pump	SI

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
3-12-86	10	2"		70	23	0	329

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
0	600		168	55	0	42°

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented during test; to be sold .
Test Witnessed By: M. Brasuel

35. List of Attachments: *1st new oil to tank

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 James S. Hazen TITLE Field Supt. DATE 3/19/86

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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	2997	T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland	3197/3235	T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs	*3330	T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House	5047	T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee	5149	T. Madison	
T. Queen		T. Silurian		T. Point Lookout	5522	T. Elbert	
T. Grayburg		T. Montoya		T. Mancos	5717	T. McCracken	
T. San Andres		T. Simpson		T. Gallup	**	T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn	7677	T. Granite	
T. Paddock		T. Ellenburger		T. Dakota	7725	T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	*Lewis 3390
T. Tubb		T. Granite		T. Todilto		T.	**Niobrara "A" 6699
T. Drinkard		T. Delaware Sand		T. Entrada		T.	Niobrara "B" 6758
T. Abo		T. Bone Springs		T. Wingate		T.	Niobrara "C" 6878
T. Wolfcamp		T.		T. Chinle		T.	Sanostee 7265
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

GREENER GRASS #1
NWSE Sec 10-24N-2W
Rio Arriba Co., New Mexico
Operator: JEROME P. McHUGH

7/19/85 Ran 5½" csg as follows:

Guide Shoe	2.00'
17# Shoe Jt	43.00'
Float Collar	2.00'
42 Jts 17# Csg	1806.92'
15 Jts 15.5# Csg	590.00'
DV Tool	3.00'
142 Jts 15.5# Csg	5611.11'
1 Jt 17.0# Csg	17.00'
Total Csg and Tools	8075.03'

Set at 8084' KB, DV Tool @ 5638' KB

Cemented csg as follows:

1st Stage - 567 sks 50/50 'B' Pozmix w/ 2% Gel, 10% Salt, ¼#/sk flocele and 6/10% Halad 9
Plug down @ 2:45 PM 7/18/85

Item #28

Opened DV tool and circulated cement to surface after 1 hr. Shut down circulating and set slips. Resumed circulating for 1 hr.

2nd Stage - 1000 sks "neat" foam cement capped with 100 sks 'B' w/ 2% CaCl, and ¼#/sk flocele.
Plug down @ 8:30 PM 7/18/85.

Bradenhead valve failed during rig down of Halliburton & unloaded cement until valve could be replaced. Cement loss volume unknown. Shut-in @ 10:00 PM to W.O.C.

7/20/85 6 Hrs Releasing Press; 3 Hrs Kill Well w/ KCL; 3½ Hrs Clean Cement out of BOP and set wellhead; 10 Hrs Drywatch; 1½ Hrs Rigging Down. Released rig @ 6:30 PM 7/19/85.

7/21/85 Waiting on Completion Rig

JEROME P. McHUGH
Greener Grass #1

DAILY REPORT

7-29-85 Moved in and rigged up Flint Engineering Rig. Set up pump and pit. Set frac tanks. Nippled up BOP. Shut in for night.

7-30-85 T.I.H. with 4-3/4" bit, casing scraper and 2-7/8" work string. Hit cement stringer at 5525' KB. Drilled DV tool at 5638' KB. Circulated hole clean and shut in for night.

7-31-85 T.I.H. and drilled cement stringers from 7990' KB to PBTD of 8034' KB. Circulated hole clean. T.O.H. with work string. Shut in for night.

8-1-85 Waited on Schlumberger to show up. Never showed.

8-2-85 Rigged up Schlumberger and ran CBL-GR-CCL from PBTD of 8042' to 6590' and 5720 to 1650' (at 1800 psi). Waited on C.E.T. tool. Rigged up and ran C.E.T. with calipers from 5700' to 1650'. Shut in for night.

8-3-85 Evaluated logs and foam cement. Prep. to cement from surface to 1900'.

8-4-85 No work - Sunday.

Item #28

8-5-85 Rigged up Halliburton & pumped 250 sx class "B" with 3% CaCl & 10#/sk Calseal down bradenhead. Squeezed at 1000 psi. W.O.C.

8-6-85 Rigged up and pressure tested to 4000 psi. Test good. Rigged up and perforated with 1 SPF select fire at:

Item #31

6703, 05, 13, 15, 17, 29, 41, 43, 47, 49, 61, 63, 73, 75, 89, 91;
6803, 05, 07, 17, 19, 67, 72, 81, 82, 89, 90, 97;
6903, 05, 07, 15, 21, 30, 32.
Total of 35 holes.

Rigged up Halliburton and balled off with 60 RCN frac balls at 4000 psi. T.I.H. with junk basket to 7100'. Rigged up and fraced as follows with 1200 versagel:

20,000 gal. pad
10,000 gal. w/ 1#/gal. 20/40 sand
10,000 gal. w/ 1½#/gal. 20/40 sand
10,000 gal. 2#/gal. 20/40 sand
7,140 gal. 3#/gal. 20/40 sand
7,140 gal. 3½#/gal. 20/40 sand
7,140 gal. 4#/gal. 20/40 sand
6,700 gal. flush

Total volume: 79,413 gal.
Total 20/40 sand: 92,000#

Max. pressure of 2100 psi; avg. 1200 psi. Max. & Avg. rate of 35 bpm. ISIP 650 psi; 5 min. SI 500 psi; 10 min. SI 400 psi; 15 Min SI 340 psi.

Shut in for night.