

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

50-057-23056
Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
SF/078562
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
LARGO SPUR "A"
9. WELL NO.
#1
10. FIELD AND POOL, OR WILDCAT
DEVIL'S FORK GALLUP
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NW/4 SW/4
SEC. 18-T24N-R6W
12. COUNTY OR PARISH
RIO ARRIBA
13. STATE
NEW MEXICO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
JACK A. COLE
3. ADDRESS OF OPERATOR

P. O. BOX 191, FARMINGTON, NEW MEXICO 87499-0191

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)
At surface 1870' FSL x 800' FWL
At top prod. interval reported below
At total depth

RECEIVED
AUG 21 1991

14. PERMIT NO. OIL CON. DIV.

15. DATE SPUDDED 17 MAY 1991 16. DATE T.D. REACHED 25 MAY 1991 17. DATE COMPL. (Ready to produce) 23 JULY 1991 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL: 6581' KB: 6595' 19. ELEV. CASINGHEAD 6581' MSL

20. TOTAL DEPTH, MD & TVD 5604' MD 5604' TVD 21. PLUG BACK T.D., MD & TVD 5565' 22. IF MULTIPLE COMPLET. HOW MANY* 23. INTERVALS DRILLED BY 0-5604 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5472-'5483' GALLUP 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN COMP. DENSITY 5604' TO SURFACE; DIL 2500'-1900' 27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8.625"	24.0	279'	12.250	230 SX, CIRCULATE 95 SX	NONE
4.500"	11.6	5595'	7.875	1020 SX, CIRCULATE 42 SX	NONE

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375"	5451	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	HOLES	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5472'-5473'	2 HOLES	0.41"	5472'-5473'	1000 GAL. 15% NEFE HCL, 75,000 LB. 20/40 BRADY SAND, 38,936 GAL. FOAMED CRUDE OIL (65-70 QUALITY)
5475'-5479'	8 HOLES	0.41"		
5481'	1 HOLE	0.41"		
5483'	1 HOLE	0.41"		

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
22 JULY 1991	FLOWING	SHUT-IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
22 JULY 1991	6	1"		6	55	0	9166

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	API GRAVITY-API (CORR.)
110 PSIG	270 PSIG		24	220	0	40

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD

35. LIST OF ATTACHMENTS
FRACTURE TREATMENT REPORT, WELL DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all records
SIGNED _____ TITLE PETROLEUM ENGINEER DATE 23 JULY, 1991

ACCEPTED FOR RECORD
AUG 15 1991
FARMINGTON RESOURCE AREA

*(See Instructions and Spaces for Additional Data on Reverse Side)

7. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	1450	1550	WATER	OJO ALAMO	1450	1450
KIRTLAND	1550			KIRTLAND	1550	1550
P/C	2030	2100	SANDSTONE WITH GAS AND WATER	P/C	2030	2030
CLIFFHOUSE	3600	3675	SANDSTONE WITH GAS	LEWIS SHALE	2100	2100
P.T. LOOKOUT	4300	4360		CHACRA SS	2500	2500
GALLUP	5340	5604	SAND, SHALE, WITH OIL AND GAS	CLIFFHOUSE	3600	3600
				P.T. LOOKOUT	4305	4305
				MANCOS	4510	4510
				GALLUP	5340	5340

Well Name: Largo Spur "A" No. 1
 Date: 10 JULY 1991

FOAMED OIL FRAC
 TREATMENT SUMMARY REPORT
 Constant Internal Phase Design

% Pad= 15.00%

Volume (BBL)	Volume (Gal)	Sd Conc (lb/gal)	Stage Proppant	Cumulative Proppant	Cumulative Volume	Internal Phase Quality	Liquid Vol (gal)	Old Def Quality	Slurry Vol (gal)	Pump Time Minutes
139	5,840	0.00	0	0	5,840	70.00%	1,752	70.00%	1,752	6.95
119	5,000	1.00	5,000	5,000	10,840	70.00%	1,568	64.12%	1,794	5.95
79	3,333	1.50	5,000	10,000	14,174	70.00%	1,068	61.19%	1,294	3.97
286	12,000	2.00	24,000	34,000	26,174	65.00%	4,580	52.80%	5,664	14.29
198	8,333	3.00	25,000	59,000	34,507	65.00%	3,312	46.69%	4,442	9.92
82	3,429	3.50	12,000	71,000	37,936	65.00%	1,390	43.64%	1,932	4.08
24	1,000	4.00	4,000	75,000	38,936	65.00%	413	40.59%	594	1.19

IN ZONE TOTAL	38,936		75,000				14,083		17,473	46.35
FLUSH:	3,000 gal				71 BBL	0.00%	3,000	0.00%	3,000	3.57
JOB TOTAL:	41,936		75,000				17,083		20,473	49.92

Total Fluid Required..... 407 Barrels
 Frac Tank Capacity Less 2' Bottoms..... 490 Barrels
 Number of Frac Tanks Required For Job..... 0.83 Tanks

JOB DATA:

Frac Gradient:	0.55 psi/ft	BH Frac Pres:	3,013 psig
Mid-Pay Depth:	5,478 feet	Surface Treating Pres	2,600 psig
BH Foam Rate:	20 BPM	ISIP:	3,100 psig (Screen-out)
Frac Via:	4.50 inch Casing	15 min SIP:	1,704 psig
		2.5 hr SIP:	0 psig

LARGO SPUR "A" No. 1
 DEVIL'S FORK GALLUP
 RIO ARRIBA CO., NEW MEXICO

Location: 1870 FSL x 800 FWL Sec 18 T-24-N R-6-W

API#: 30-039-25056
 Lse #: SF-078562

Completion Date: 23 July 1991

TD: 5604' PBD: 5565' GL: 6581' MSL KB: 6595' MSL (14' AGL)

