

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

5. Lease Serial No.
MDA 701-98-0013

a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.
24245

8. Lease Name and Well No.

Jicarilla 29-02-16 No. 5

9. API Well No.

30-039-27402

10. Field and Pool, or Exploratory
La Jara Canyon, Tertiary

11. Sec., T., R., M., on Block and Survey
or Area Sec. 16, T29N-R02W

12. County or Parish
Rio Arriba

13. State
NM

17. Elevations (DF, RKB, RT, GL)*

7248' GL; 7261' KB

c. Name of Operator

Jack Hills Exploration & Production dba Mallon Oil Company

d. Address

50 Indiana St, Suite 400, Golden, CO 80401

3a. Phone No. (include area code)
720-210-1308

e. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 1570' FSL & 585' FWL (NWSW) Unit L

At top prod. interval reported below 1570' FSL & 585' FWL (NWSW) Unit L

At total depth 1570' FSL & 585' FWL (NWSW) Unit L

4. Date Spudded

2/2003

15. Date T.D. Reached

5/18/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.
9/26/03

3. Total Depth: MD

TVD 3722'

19. Plug Back T.D.: MD

3682' KB

TVD

20. Depth Bridge Plug Set:

MD

TVD 2765' KB

f. Type Electric & Other Mechanical Logs Run (Submit copy of each)

SpectraScan, Hi Resolution Induction

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

g. Casing and Liner Record (Report all strings set in well)

Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	24 #/ft	surface	275' 280'		175 sks & Type III	73 bbls	surface	
								circ 8 bbl	
								to surface	
7 7/8	5 1/2	15.5 #/ft	surface	3712 KB		1170 sks	366 bbls	surface	
								circ 10bbl	
								to surface	

h. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	2840' KB	2839' KB	2 7/8	1191' KB	1190' KB			

i. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
San Jose	1217'	1316'	1217'-1219'	1 spf	2	
			1259'-1316'	2 spf	18	

j. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
17'-1316'	Frac w/ 50 Mitchell quality N2/ Ambormax 10 foam. 192,592 mscf N2, 90,380 lbs of 20/40 super LC sand. 1-4 lb concentrations, w/ multiple isotope tracers in pad, 1-3 lb stages & 3-4 lb stages.

k. Production - Interval A

Rate First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	9/25/03	24	<input type="checkbox"/>	0	1450	139	n/a	n/a	Flowing
Rate	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/4			<input type="checkbox"/>					waiting on pipeline	

l. Production - Interval B

Rate First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Rate	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

See instructions and spaces for additional data on next page)

ACCEPTED FOR RECORD
FEB 13 2004

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

29. Disposition of Gas (Sold used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				San Jose	~surface
				Nacimiento	2219'
				Ojo Alamo	2850'
				Fruitland	3488'
				Pictured Cliffs	3552'
				Lewis	3640'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ☒ 1 Electrical/Mechanical Logs (1 full set req'd.)
 ☐ 2 Geologic Report
 ☐ 3 DST Report
 ☐ 4 Directional Survey
☐ 5 Sundry Notice for plugging and cement verification
☐ 6 Core Analysis
☐ 7 Other: _____

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Allison Newcomb

Title Engineering Technician

Signature Allison Newcomb

Date 11/19/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27402		*Pool Code 97036	*Pool Name La Jara Canyon, Tertiary
*Property Code 24245	*Property Name JICARILLA 29-2-16		*Well Number 5
*GRID No. 013925	*Operator Name MALLON OIL CO.		*Elevation 7183'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	29-N	2-W		1570	SOUTH	585	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
160									
Dedicated Acres					Joint or Infill		Consolidation Code		Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

FD. 1/2" REBAR PLAST. CAP LS 8894						17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Allison Newcomb</u> Signature Allison Newcomb Printed Name Engineering Technician Title 11/19/2003 Date	
N 00-16-12 W 5289.9'		16				18 SURVEYOR CERTIFICATION 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 belief. <u>DAVID A. JOHNSON</u> Date of Survey Signature and Seal of Professional Surveyor: 14827 REGISTERED PROFESSIONAL SURVEYOR Certificate Number	
585'		LAT.=36-43-19 N. LONG.=107-03-19 W					
744'							
1570'							
FD. 1/2" REBAR PLAST. CAP LS 8894		S 89-43-38 E 5314.2'		FD. MARKED STONE			