

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 01 2012

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
Jicarilla Tribal #424  
6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

<b>SUBMIT IN TRIPLICATE</b> – Other instructions on page 2.		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. Logos #1
2. Name of Operator Logos Capital Management, LLC		9. API Well No. 30-043-21119
3a. Address 4001 North Butler, Building 7101 Farmington, New Mexico 87401	3b. Phone No. (include area code) 505-436-2627	10. Field and Pool or Exploratory Area *Please see sundry summary for Pool information
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1610' FNL & 1710' FWL Section 5, Township 22N, Range 5W		11. County or Parish, State Sandoval, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Flowline Installation
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Logos Capital Management, LLC will be installing a buried flowline from the Logos #1 to the battery located at L-08-22N-05W. The produced fluids will be isolated from other produced fluids until the surface commingle is approved. The flowline will transfer all produced gas and liquids to the battery for separation and sales. Please see the attached ROW plats for the flowline. ROW approval has been granted through the BIA and Jicarilla Apache Nation.

Pool Information:  
WC22N5W5; Dakota(O), WC22N5W5; Gallup(O), Venado Mesa Verde

RCVD NOV 21 '12  
OIL CONS. DIV.  
DIST. 3

*Accepted for Record*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Kristy Graham		Title Director of Administration and Engineering Support
Signature <i>Kristy Graham</i>		Date 10/01/2012

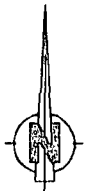
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date NOV 19 2012
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	BY <i>[Signature]</i>

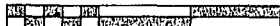
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NWOCDA



1000' 0 1000' 2000'



SCALE = 2000'

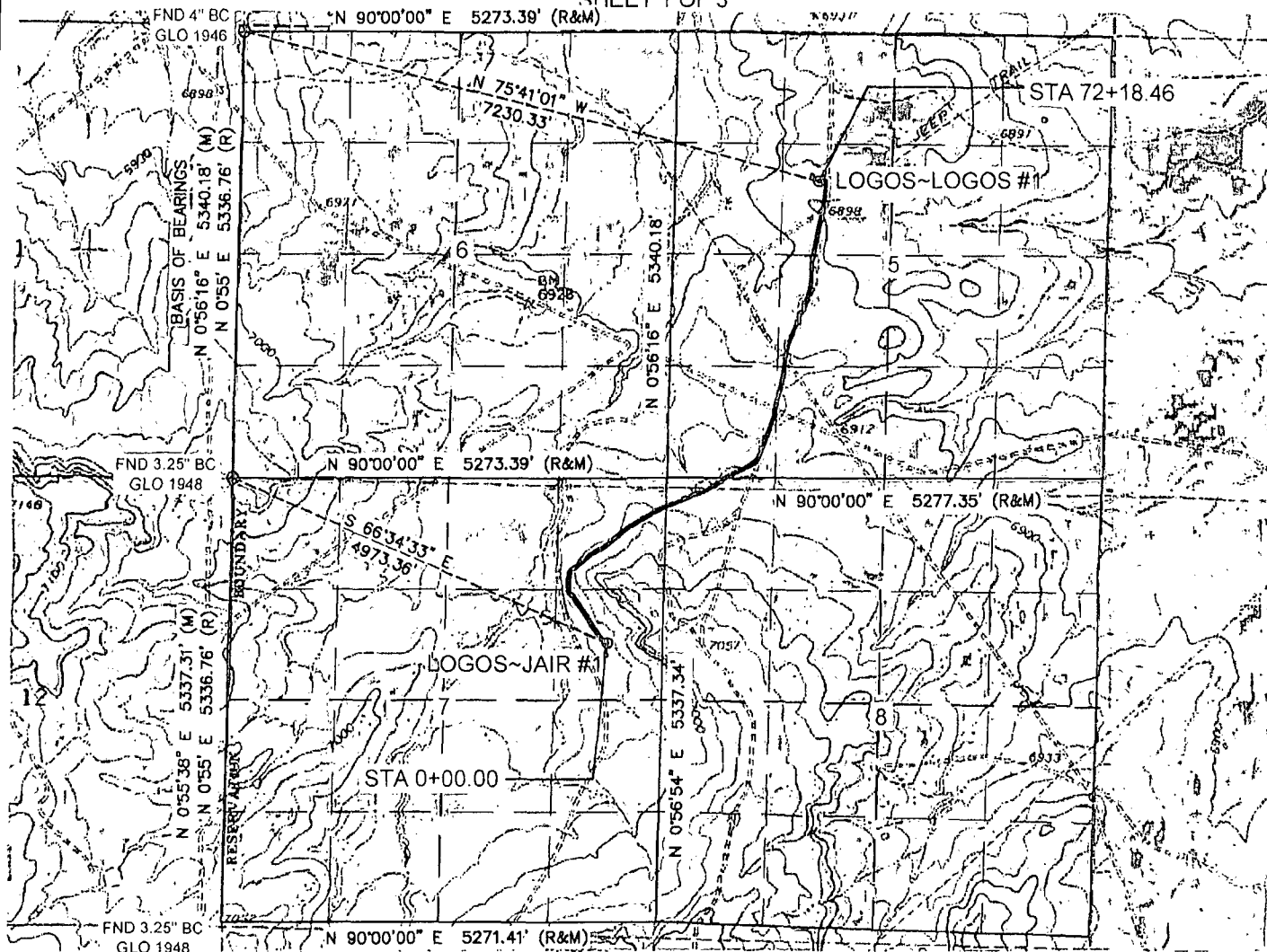
# PROPOSED PIPELINE FOR LOGOS RESOURCES, LLC

LOGOS #1

LOCATED IN THE NE/4 SW/4, SE/4 NW/4,  
E/2 NE/4 OF SECTION 7,  
THE NW/4 NW/4 OF SECTION 8,  
AND THE SW/4 SW/4, E/2 SW/4, AND  
SE/4 NW/4 OF SECTION 5

T22N, R5W, N.M.P.M.,  
SANDOVAL COUNTY, NEW MEXICO

SHEET 1 OF 3



## NOTES:

1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE NORTHWEST CORNER AND THE SOUTHWEST CORNER OF SECTION 8, TOWNSHIP 22 NORTH, RANGE 5 WEST, N.M.P.M. SANDOVAL COUNTY, NEW MEXICO. LINE BEARS: N 0°56'16" E A DISTANCE OF 5340.18' FEET AS MEASURED BY G.P.S.

2.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



DATE: Aug 2, 2012

~ SURFACE OWNERSHIP ~	
JICARILLA APACHE INDIAN RESERVATION	
SECTION 7	
0+00 TO 24+50.25	
2450.25 FT/ 148.50 RODS	
SECTION 6	
24+50.25 TO 32+43.63	
793.38 FT/ 48.08 RODS	
SECTION 5	
32+43.63 TO 72+18.48	
3974.83 FT/ 240.90 RODS	
TOTAL	
0+00 TO 72+18.48	
7218.48 FT/ 437.48 RODS	
DATE OF SURVEY	07/17/12
RR,GR,JC	



Scorpion Survey &  
Consulting, L.L.C.

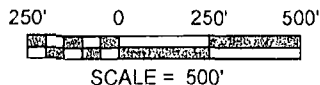
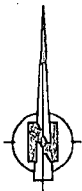
#55 CR 3312

Aztec, New Mexico 87410

(505) 333-2945

JOB No.: LOGO001

DATE: 07/27/12



SCALE = 500'

# PROPOSED PIPELINE FOR LOGOS RESOURCES, LLC

LOGOS #1

LOCATED IN THE NE/4 SW/4, SE/4 NW/4,  
E/2 NE/4 OF SECTION 7,  
THE NW/4 NW/4 OF SECTION 8,  
AND THE SW/4 SW/4, E/2 SW/4, AND  
SE/4 NW/4 OF SECTION 5  
T22N, R5W, N.M.P.M.,  
SANDOVAL COUNTY, NEW MEXICO  
SHEET 2 OF 3

P.I. STA 27+18.03  
Δ 04°16'35" LT  
N 65°39'37" E 269.09'  
C/L ROAD O/S 21' LT

P.I. STA 24+51.00  
Δ 05°14'12" RT  
N 69°56'12" E 267.03'  
C/L ROAD O/S 23' LT

STA 24+50.25  
SECTION LINE X-ING

P.I. STA 23+17.62  
Δ 04°02'07" RT  
N 64°42'00" E 133.38'  
C/L ROAD O/S 23' LT

P.I. STA 19+42.83  
Δ 07°39'56" RT  
N 60°39'53" E 374.79'  
C/L ROAD O/S 25' LT

P.I. STA 18+42.83  
Δ 03°19'59" RT  
N 52°59'57" E 100.00'  
C/L ROAD O/S 25' LT

P.I. STA 15+78.97  
Δ 10°12'14" LT  
N 49°39'58" E 263.86'  
C/L ROAD O/S 21' LT

P.I. STA 29+87.12  
Δ 06°02'11" LT  
N 59°37'26" E 451.97'  
C/L ROAD O/S 20' LT

STA 32+43.62  
SECTION LINE X-ING

P.I. STA 34+39.09  
Δ 06°56'12" RT  
N 66°33'38" E 133.97'  
C/L ROAD O/S 20' LT

SW/4 SW/4

SECTION 5  
SECTION 8

NW/4 NW/4

P.I. STA 9+21.91  
Δ 10°58'11" RT  
N 09°08'48" E 122.12'  
C/L ROAD O/S 22' RT

P.I. STA 13+40.43  
Δ 10°26'18" RT  
N 59°52'12" E 238.54'  
C/L ROAD O/S 24' LT

P.I. STA 11+38.27  
Δ 06°45'47" LT  
N 49°25'54" E 202.16'  
C/L ROAD O/S 24' LT

STA 10+80.67  
C/L ROAD X-ING  
P.I. STA 10+44.03  
Δ 47°02'53" RT  
N 56°11'41" E 94.24'  
C/L ROAD O/S 23' RT

P.I. STA 7+83.13  
Δ 45°27'12" RT  
N 01°49'23" W 138.78'  
C/L ROAD O/S 27' RT

STA 7+42.54  
C/L ROAD X-ING  
P.I. STA 6+96.35  
Δ 13°29'53" LT  
N 47°16'35" W 86.78'  
C/L ROAD O/S 17' LT

P.I. STA 1+05.62  
Δ 25°28'44" RT  
N 33°46'42" W 590.73'  
C/L ROAD O/S 17' LT

P.I. STA 0+19.11  
Δ 27°53'50" LT  
N 59°15'26" W 86.51'  
BEGIN PARALLEL C/L ROAD  
C/L ROAD O/S 53' LT

STA 0+00.00  
N 31°21'36" W 19.11'  
TAKE OFF @ LOGOS-JAIR #1  
WELL PAD TIE TO WELL HEAD  
N 04°38'31" E 153.93'



I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR  
CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY,  
THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE  
MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DAVID R. RUSSELL, PLS  
NEW MEXICO L.S. #10201

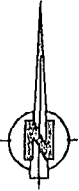
JOB No.: LOGO001

DATE: 07/27/12

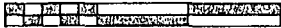
DATE: Aug 2, 2012



Scorpion Survey &  
Consulting, L.L.C.  
#55 CR 3312  
Aztec, New Mexico 87410  
(505) 333-2945



250' 0 250' 500'



SCALE = 500'

# PROPOSED PIPELINE FROM LOGOS RESOURCES, LLC

JAIR #1

LOCATED IN THE NE/4 SW/4, SE/4 NW/4,  
E/2 NE/4 OF SECTION 7,  
THE NW/4 NW/4 OF SECTION 8,  
AND THE SW/4 SW/4, E/2 SW/4, AND  
SE/4 NW/4 OF SECTION 5  
T22N, R5W, N.M.P.M.,  
SANDOVAL COUNTY, NEW MEXICO  
SHEET 3 OF 3

STA 67+88.56  
2-TRACK X-ING

P.I. STA 61+44.86

Δ 07°45'51" RT  
N 10°34'03" E 644.52'  
C/L ROAD O/S 22' LT

P.I. STA 58+84.38

Δ 14°39'17" LT  
N 02°48'12" E 260.48'  
C/L ROAD O/S 22' LT

P.I. STA 56+03.44

Δ 04°57'21" LT  
N 17°27'30" E 280.94'  
C/L ROAD O/S 22' LT

P.I. STA 50+86.90

Δ 14°35'28" RT  
N 22°24'51" E 516.54'  
C/L ROAD O/S 21' LT

P.I. STA 49+49.66

Δ 01°11'50" RT  
N 07°49'23" E 137.24'  
C/L ROAD O/S 22' LT

P.I. STA 47+49.98

Δ 06°07'27" LT  
N 06°37'33" E 199.68'  
C/L ROAD O/S 21' LT

STA 43+03.60  
FENCE X-ING

STA 42+72.20  
C/L ROAD X-ING

P.I. STA 42+33.21

Δ 08°11'08" LT  
N 12°45'00" E 516.77'  
C/L ROAD O/S 21' LT

STA 40+72.84  
TAKEOFF LOGOS #2  
PIPELINE

P.I. STA 36+74.04

Δ 40°51'47" LT  
N 20°56'08" E 559.17'  
C/L ROAD O/S 46' LT

STA 36+49.60  
2-TRACK X-ING

P.I. STA 35+73.06

Δ 04°45'43" LT  
N 61°47'55" E 100.98'  
C/L ROAD O/S 21' LT

P.I. STA 34+39.09

Δ 06°56'12" RT  
N 66°33'38" E 133.97'  
C/L ROAD O/S 20' LT

WELL HEAD  
LOGOS #1

SE/4 NW/4

E/2 SW/4

SW/4 SW/4

STA 72+18.47

EOL @ PROPOSED M/O  
ON EXISTING WELL PAD  
TIE TO WELL HEAD  
N 49°15'48" W 110.59'

STA 71.59.20  
C/L ROAD X-ING

P.I. STA 71+39.18

Δ 91°12'44" LT  
N 86°50'40" W 79.29'  
C/L ROAD O/S 20' LT  
END PARALLEL C/L ROAD

P.I. STA 69+42.39

Δ 04°23'36" LT  
N 04°22'05" E 196.79'  
C/L ROAD O/S 22' LT

P.I. STA 67+89.38

Δ 01°48'22" LT  
N 08°45'41" E 153.01'  
C/L ROAD O/S 23' LT



I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR  
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KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE  
MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

*David R. Russell*  
DAVID R. RUSSELL, PLS  
NEW MEXICO L.S. #10201

DATE: Aug 2, 2012



Scorpion Survey &  
Consulting, L.L.C.

#55 CR 3312

Aztec, New Mexico 87410

(505) 333-2945

July 31, 2012

LOGOS RESOURCES, LLC  
PROPOSED PIPELINE FOR  
LOGOS #1  
LOCATED IN THE NE/4 SW/4, SE/4 NW/4,  
E/2 NE/4 OF SECTION 7,  
THE NW/4 NW/4 OF SECTION 8,  
AND THE SW/4 SW4, E/2 SW/4, AND  
SE/4 NW/4 OF SECTION 5  
T22N, R5W, N.M.P.M.,  
ACROSS JICARILLA APACHE TRIBAL LANDS  
SANDOVAL COUNTY, NEW MEXICO

A pipeline 7218.46 feet long across a portion of Section 7, Section 8, and Section 5, Township 22 North, Range 5 West, N.M.P.M., Sandoval County, New Mexico.

Beginning at the well location Logos-Jair #1 located in the Northeast Quarter of the Southwest Quarter of said Section 7. Said point bears South 66°34'33" East, a distance of 4973.36 feet from the Southwest corner of Section 6;

Thence North 31°21'36" West, a distance of 19.11 feet;  
Thence North 59°15'26" West, a distance of 86.51 feet;  
Thence North 33°46'42" West, a distance of 590.73 feet;  
Thence North 47°16'35" West, a distance of 86.78 feet;  
Thence North 01°49'23" West, a distance of 138.78 feet;  
Thence North 09°08'48" East, a distance of 122.12 feet;  
Thence North 56°11'41" East, a distance of 94.24 feet;  
Thence North 49°25'54" East, a distance of 202.16 feet;  
Thence North 59°52'12" East, a distance of 238.54 feet;  
Thence North 49°39'58" East, a distance of 263.86 feet;  
Thence North 52°59'57" East, a distance of 100.00 feet;  
Thence North 60°39'53" East, a distance of 374.79 feet;  
Thence North 64°42'00" East, a distance of 133.38 feet;  
Thence North 69°56'12" East, a distance of 267.03 feet;  
Thence North 65°39'37" East, a distance of 269.09 feet;  
Thence North 59°37'26" East, a distance of 451.97 feet;  
Thence North 66°33'38" East, a distance of 133.97 feet;  
Thence North 61°47'55" East, a distance of 100.98 feet;  
Thence North 20°56'08" East, a distance of 559.17 feet;  
Thence North 12°45'00" East, a distance of 516.77 feet;  
Thence North 06°37'33" East, a distance of 199.68 feet;  
Thence North 07°49'23" East, a distance of 137.24 feet;  
Thence North 22°24'51" East, a distance of 516.54 feet;

Thence North 17°27'30" East, a distance of 280.94 feet;

Thence North 02°48'12" East, a distance of 260.48 feet;

Thence North 10°34'03" East, a distance of 644.52 feet;

Thence North 08°45'41" East, a distance of 153.01 feet;

Thence North 04°22'05" East, a distance of 196.79 feet;

Thence North 86°50'40" West, a distance of 79.29 feet to the end of the line at a point located in the Southeast Quarter of the Northwest Quarter of Section 5. Said point bears North 75°41'01" West, a distance of 7230.33 feet from the Northwest corner of Section 6, Township 22 North, Range 5 West, N.M.P.M., Sandoval County, New Mexico.