

T 25 S

R 33 E

21

22

23

26

27

28

ROJO AE 7811  
JV-P FED COM #11H





ROJO AE 7811  
JV-P FED COM #2H

ROJO AE 7811  
JV-P FED COM #3H

490.7'

317.2'

**LEGEND**

-  WELL
-  WELLPAD
-  EXISTING ROAD
-  PROPOSED ROAD

**ROJO AE 7811 JV-P FEDERAL COM #WELLS**

SECTION: 27	TOWNSHIP: 25 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 16-755/756	LEASE: ROJO AE 7811 JV-P FED COM	

0 0.05 0.1 0.2 Miles      0 2,500 FEET

1 IN = 1,000 FT

LOCATION MAP    IMAGERY ROAD    10/18/2016    JR

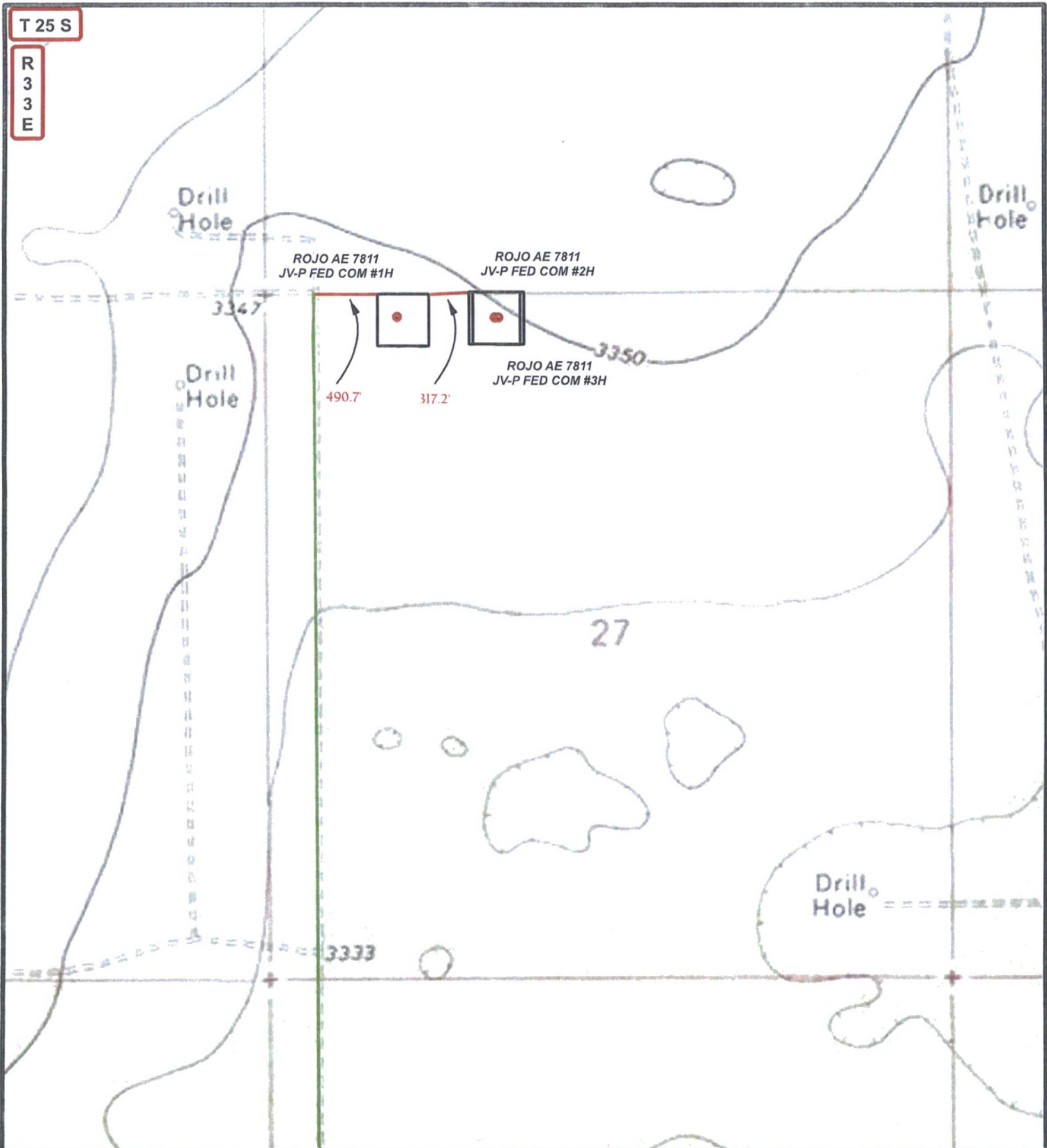
**BTA**

**OIL PRODUCERS**

**HARCROW SURVEYING, LLC.**  
 2314 W. MAIN ST, ARTESIA, NM 88210  
 PH: (575) 745-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com

T 25 S

R  
3  
3  
E



**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED ROAD

**ROJO AE 7811 JV-P FEDERAL COM WELLS**

SECTION: 27	TOWNSHIP: 25 S.	RANGE: 33 E.
STATE: NEW MEXICO	COUNTY: LEA	SURVEY: N.M.P.M
W.O. # 16-755/756	LEASE: ROJO AE 7811 JV-P FED COM	



LOCATION MAP	TOPO ROAD	10/18/2016 JR
--------------	-----------	---------------



**OIL PRODUCERS**

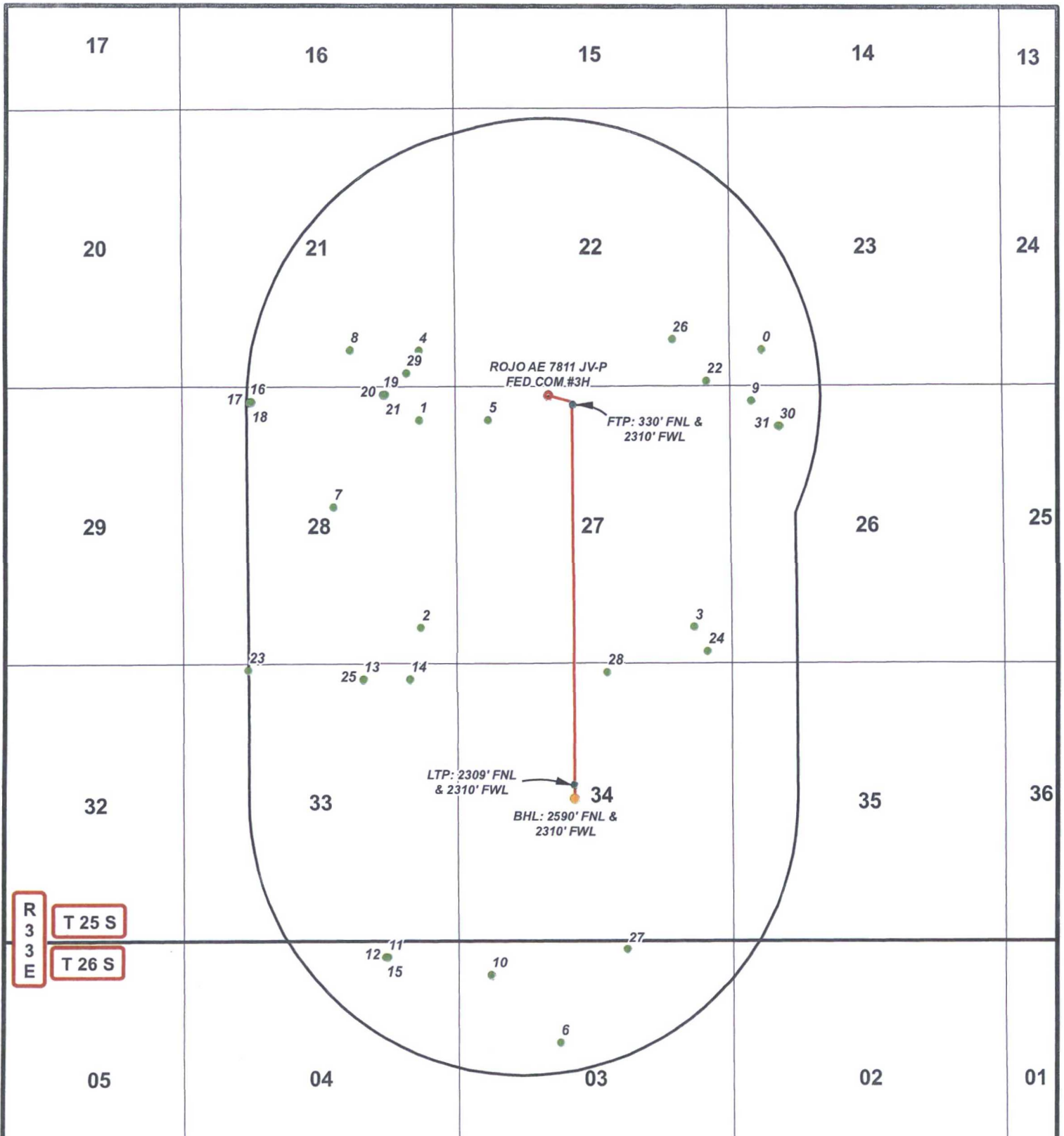


**HARCROW SURVEYING, LLC.**  
 2314 W. MAIN ST, ARTESIA, NM 88210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com



## ROJO AE 7811 JV-P FED COM #3H 1 MILE WELLS (16-943)

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	COMPL_STAT
0	HILL & MEEKER	MUSE 23 FEDERAL 001	32.110586	-103.549472	3002508387	23	25.0S	33E	660 S		660 W		Plugged
1	CURTIS HANKAMER	CONLEY FEDERAL 001	32.106986	-103.570854	3002508390	28	25.0S	33E	660 N		660 E		Plugged
2	TIDEWATER OIL CO	ANNIE R BASS FEDERAL 001	32.096108	-103.570828	3002508391	28	25.0S	33E	660 S		660 E		Plugged
3	ROBERT A DEAN	HARRY DICKSON 001	32.096082	-103.553745	3002522786	27	25.0S	33E	660 S		660 E		Plugged
4	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL 001	32.110614	-103.570862	3002523895	21	25.0S	33E	660 S		660 E		Plugged
5	BTA OIL PRODUCERS, LLC	ROJO 7811 JV-P 001	32.106978	-103.56657	3002526188	27	25.0S	33E	660 N		660 W		Active
6	J A LEONARD	CHAMBERS 3 FEDERAL 001	32.074333	-103.562219	3002527897	3	26.0S	33E	1980 N		1980 W		Plugged
7	CIMAREX ENERGY CO. OF COLORADO	RED HILLS 28 FEDERAL COM 001	32.102463	-103.576198	3002529191	28	25.0S	33E	2310 N		2310 E		Active
8	EOG RESOURCES INC	BRINNINSTOOL 21 FEDERAL 001	32.110625	-103.575146	3002530050	21	25.0S	33E	660 S		1980 E		Plugged
9	EOG RESOURCES INC	LOMAS ROJAS 26 STATE COM 001H	32.107927	-103.550159	3002539531	26	25.0S	33E	330 N		430 W		New (Not drilled or compl)
10	COG OPERATING LLC	RED BULL 3 FEDERAL 001	32.077896	-103.566527	3002539812	3	26.0S	33E	660 N		660 W		New (Not drilled or compl)
11	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 032H	32.078845	-103.572992	3002542309	4	26.0S	33E	330 N		1330 E		New (Not drilled or compl)
12	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 033H	32.078844	-103.572927	3002542310	4	26.0S	33E	330 N		1310 E		New (Not drilled or compl)
13	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 019H	32.093397	-103.574441	3002542326	33	25.0S	33E	330 N		1765 E		New (Not drilled or compl)
14	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 021H	32.093391	-103.571473	3002542327	33	25.0S	33E	330 N		850 E		New (Not drilled or compl)
15	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 031H	32.078846	-103.573057	3002542332	4	26.0S	33E	330 N		1350 E		New (Not drilled or compl)
16	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 001H	32.107967	-103.581392	3002542369	28	25.0S	33E	330 N		1310 W		New (Not drilled or compl)
17	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 002H	32.107967	-103.581327	3002542370	28	25.0S	33E	330 N		1330 W		New (Not drilled or compl)
18	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 003H	32.107966	-103.581263	3002542371	28	25.0S	33E	330 N		1350 W		New (Not drilled or compl)
19	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 004H	32.108311	-103.573113	3002542372	28	25.0S	33E	180 N		1350 E		New (Not drilled or compl)
20	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 005H	32.10831	-103.573048	3002542373	28	25.0S	33E	180 N		1330 E		New (Not drilled or compl)
21	CIMAREX ENERGY CO.	CASCADE 28 FEDERAL 006H	32.108309	-103.572983	3002542374	28	25.0S	33E	180 N		1310 E		New (Not drilled or compl)
22	BTA OIL PRODUCERS, LLC	ROJO 7811 JV-P FEDERAL COM 002H	32.108969	-103.552941	3002542414	22	25.0S	33E	50 S		430 E		New (Not drilled or compl)
23	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 018H	32.093906	-103.581541	3002542451	33	25.0S	33E	150 N		1280 W		New (Not drilled or compl)
24	BTA OIL PRODUCERS, LLC	ROJO C 7811 JV-P 001H	32.094836	-103.552952	3002542458	27	25.0S	33E	190 S		380 E		New (Not drilled or compl)
25	CIMAREX ENERGY CO. OF COLORADO	RED HILLS UNIT 020H	32.093396	-103.574377	3002542572	33	25.0S	33E	330 N		1745 E		New (Not drilled or compl)
26	BTA OIL PRODUCERS, LLC	ROJO SWD 7811 JV-P 002	32.111141	-103.555026	3002542704	22	25.0S	33E	843 S		1064 E		New (Not drilled or compl)
27	COG OPERATING LLC	COLUMBUS FEE 022H	32.079226	-103.55801	3002542810	3	26.0S	33E	190 N		1980 E		New (Not drilled or compl)
28	COG OPERATING LLC	COLUMBUS FEE 002H	32.093728	-103.559215	3002542822	34	25.0S	33E	210 N		2310 E		New (Not drilled or compl)
29	EOG RESOURCES INC	RATTLESNAKE 21 FEDERAL COM 701H	32.109425	-103.571655	3002542827	21	25.0S	33E	230 S		900 E		New (Not drilled or compl)
30	EOG RESOURCES INC	LOMAS ROJAS 26 STATE COM 707H	32.106609	-103.548394	3002543220	26	25.0S	33E	806 N		979 W		New (Not drilled or compl)
31	EOG RESOURCES INC	LOMAS ROJAS 26 STATE COM 708H	32.10661	-103.548491	3002543221	26	25.0S	33E	806 N		949 W		New (Not drilled or compl)



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH OCTOBER 29, 2016.

**LEGEND**

- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

**ROJO AE 7811 JV-P FEDERAL COM #3H**

SEC: 27	TWP: 25 S.	RGE: 33 E.	ELEVATION: 3344.0'
STATE: NEW MEXICO		COUNTY: LEA	200' FNL & 1845' FWL
W.O. # 16-943	LEASE: ROJO AE 7811 JV-P FED COM		SURVEY: N.M.P.M

0 2,500 5,000 FEET  
0 0.15 0.3 0.6 Miles

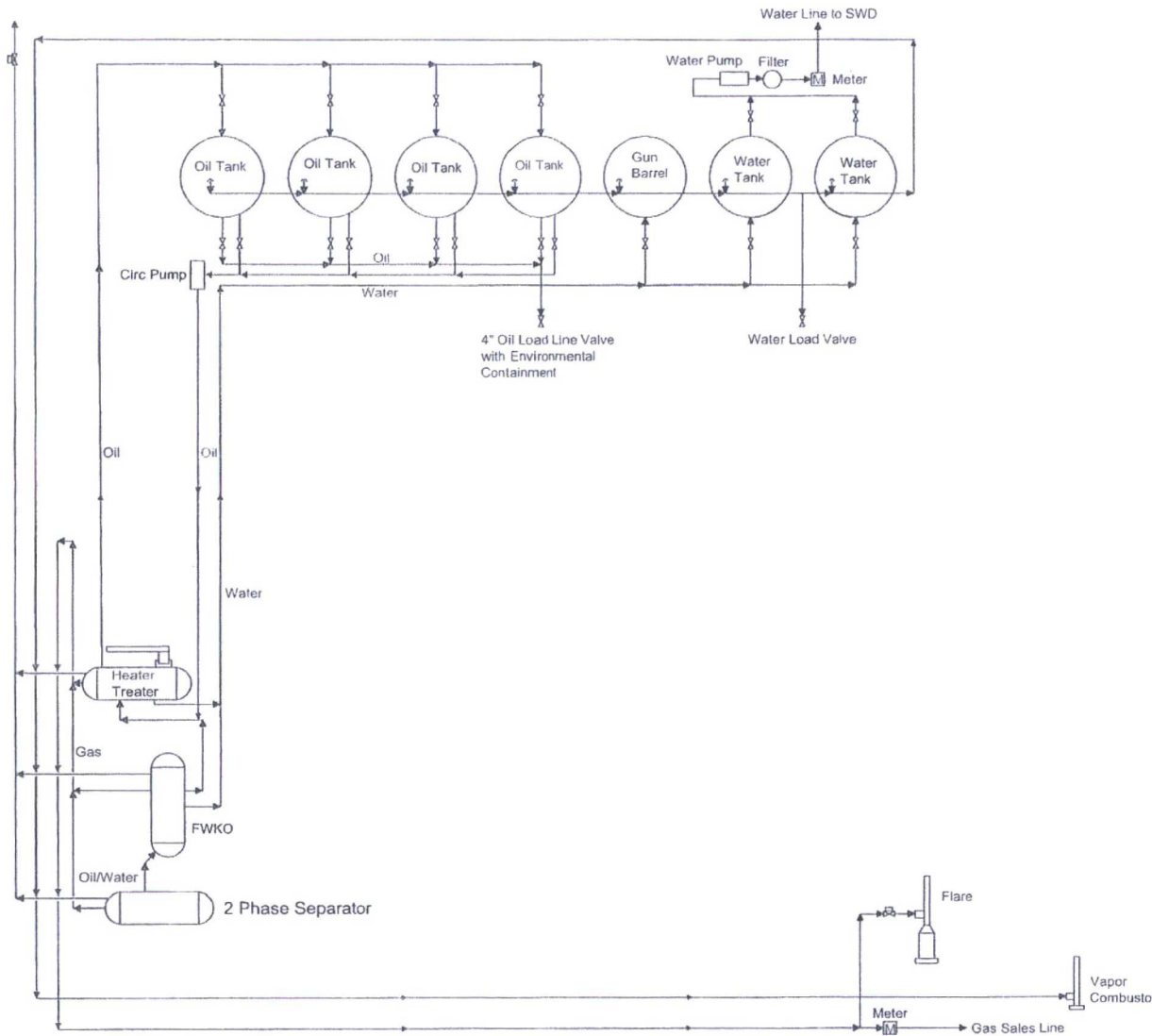
1 IN = 2,500 FT

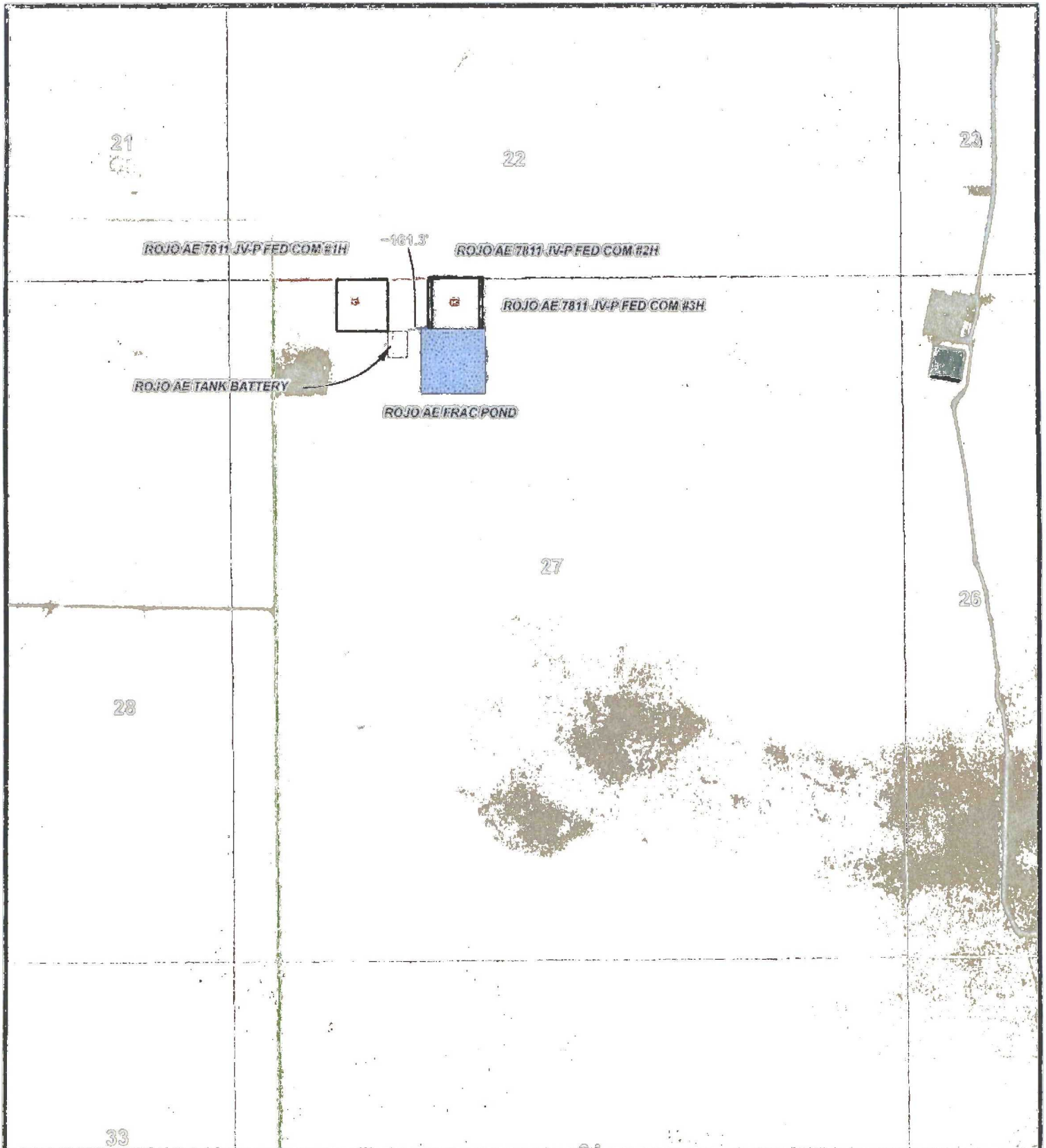
1 MILE MAP      11/16/2016      S.P.

**BTX**  
OIL PRODUCERS

**H** HARCROW SURVEYING, LLC.  
2314 W. MAIN ST, ARTESIA, NM 88210  
PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com

Production Facility Layout  
Rojo AE 7811 JV-P Federal Com  
Section 27-25S-33E  
Lea County, New Mexico





**LEGEND**

-  TANK BATTERY
-  FRAC POND
-  WELL
-  WELLPAD
-  PROPOSED FLOWLINE
-  PROPOSED ROAD

**ROJO AE TANK BATTERY**

SEC: 27 TWP: 25 S. RGE: 33 E. ELEVATION: 3344.0'  
 STATE: NEW MEXICO COUNTY: LEA 513' FNL & 1372' FWL  
 W.O. # 16-815 LEASE: ROJO AE SURVEY: N.M.P.M



LOCATION MAP IMAGERY 10/19/2016 JR



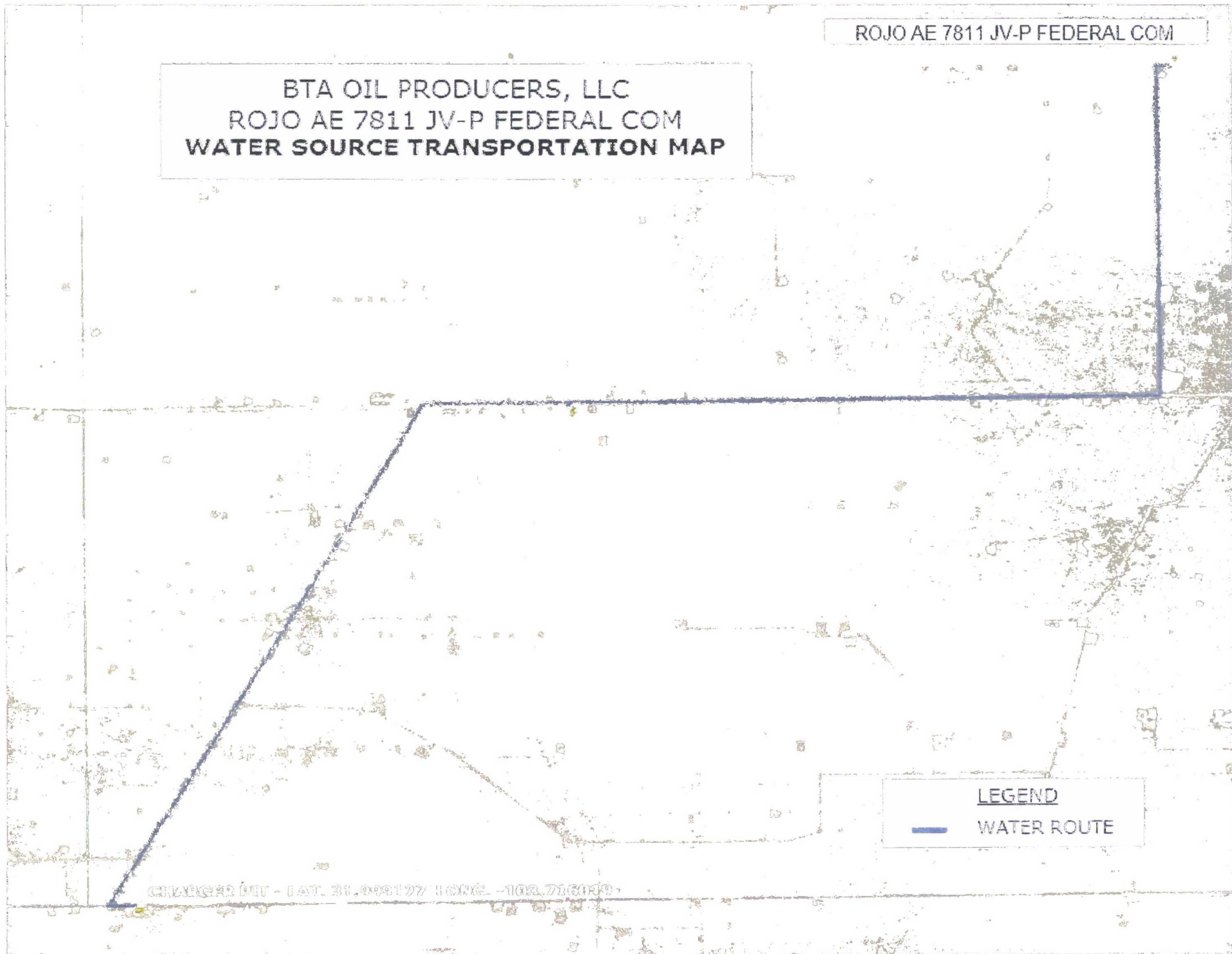
**OIL PRODUCERS**



**HARCROW SURVEYING, LLC.**  
 2324 W. MAIN ST, ARYESIA, NM 80210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com

ROJO AE 7811 JV-P FEDERAL COM

**BTA OIL PRODUCERS, LLC  
ROJO AE 7811 JV-P FEDERAL COM  
WATER SOURCE TRANSPORTATION MAP**

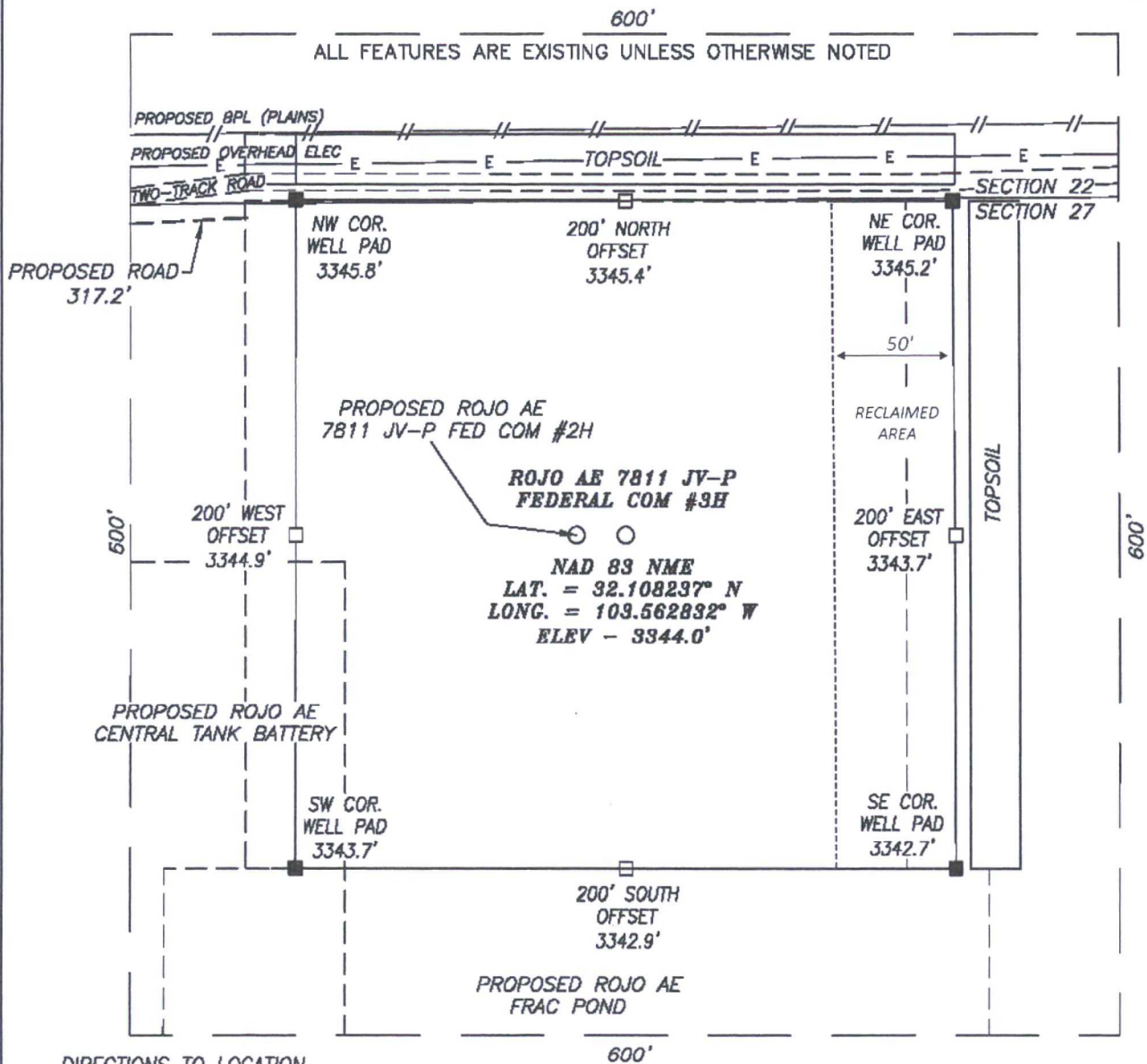


**LEGEND**

— WATER ROUTE

CHANGED BY - DAT. 31.000197 10002 - 100.710000

SECTION 27, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION  
FROM THE INTERSECTION OF DINWIDDIE RD. AND BATTLE  
AXE RD. GO WEST APPROX. 1.1 MILES; THEN TURN RIGHT  
(NORTH) AND GO APPROX. 3.0 MILES TO A PROPOSED  
ROAD ON THE RIGHT. PROPOSED WELL IS APPROX. 1,450  
FEET EASTSOUTHEAST.

HARCROW SURVEYING, LLC  
2314 W. MAIN ST, ARTESIA, N.M. 88210  
PH: (575) 746-2158 FAX: (575) 746-2158  
c.harcrow@harcrowsurveying.com

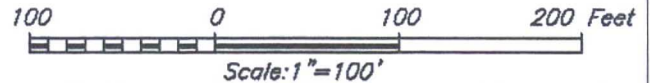


CERTIFICATION  
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY  
THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS  
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS  
SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW  
MEXICO.



Chad Harcrow  
CHAD HARCROW N.M.P.S. NO. 17777

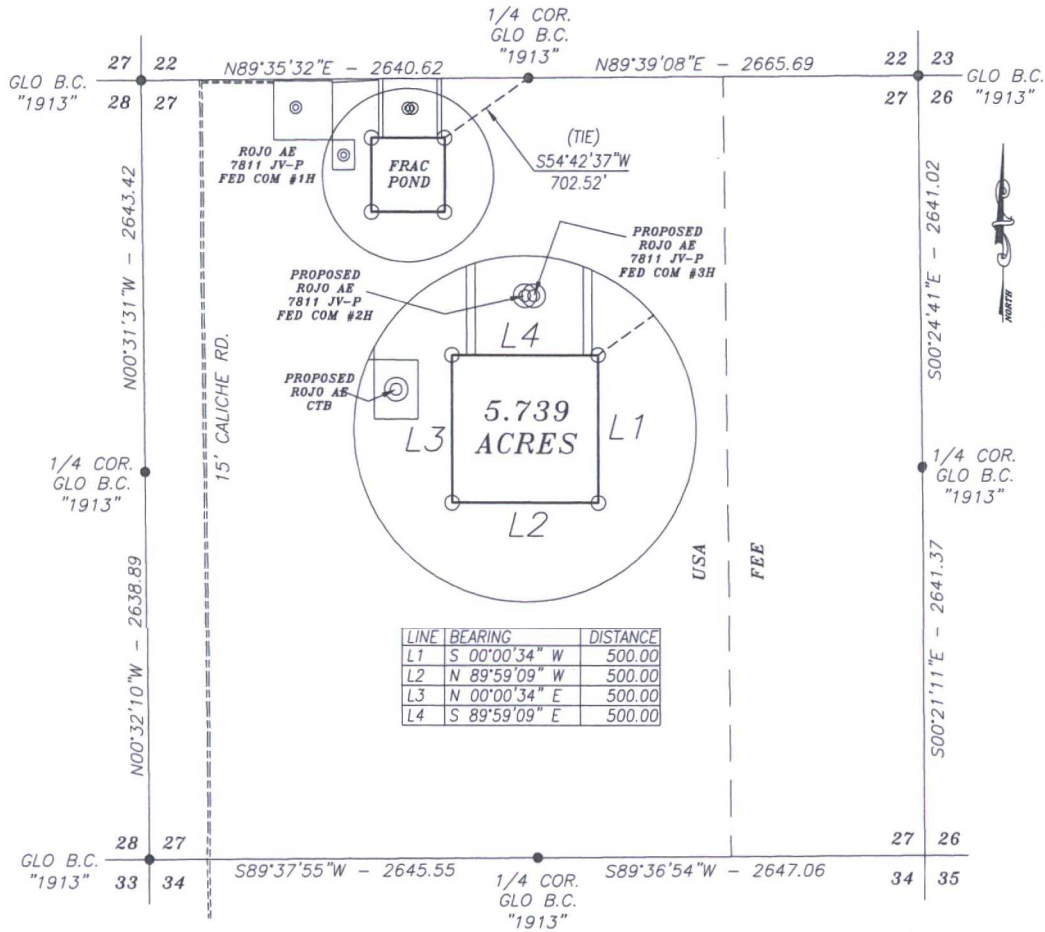
11/3/16  
DATE



<b>BTA OIL PRODUCERS, LLC</b>		
ROJO AE 7811 JV-P FEDERAL COM #3H LOCATED 200 FEET FROM THE NORTH LINE AND 1845 FEET FROM THE WEST LINE OF SECTION 27, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
SURVEY DATE: NOV. 1, 2016	PAGE: 1 OF 1	
DRAFTING DATE: NOV 2, 2016		
APPROVED BY: CH	DRAWN BY: JR	FILE: 16-870



**FEDERAL LEASE PLAT**  
**BTA OIL PRODUCERS, LLC**  
 ROJO AE FRAC POND IN  
**SECTION 27, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO.



**DESCRIPTION**

A PROPOSED FRAC POND WITHIN USA LAND IN SECTION 27, TOWNSHIP 25 SOUTH, RANGE 33 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID FRAC POND, WHICH LIES S54°42'37"W 702.52 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION; THEN S00°00'34"W 500.00 FEET; THEN N89°59'09"W 500.00 FEET; THEN N00°00'34"E 500.00 FEET; THEN S89°59'09"E 500.00 FEET, TO THE POINT OF BEGINNING.

SAID FRAC POND CONTAINING 5.739 ACRES.

NOTE: THIS PLAT IS NOT A LAND DIVISION OF ANY KIND. IT DESCRIBES A PROPOSED FRAC POND.

**BASIS OF BEARING:**

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE GRID VALUES.

**CERTIFICATION**

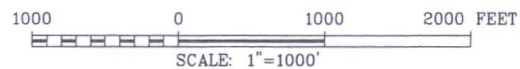
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



*Chad Harcrow*  
 CHAD HARCROW N.M.P.S. NO. 17777

10/19/16  
 DATE

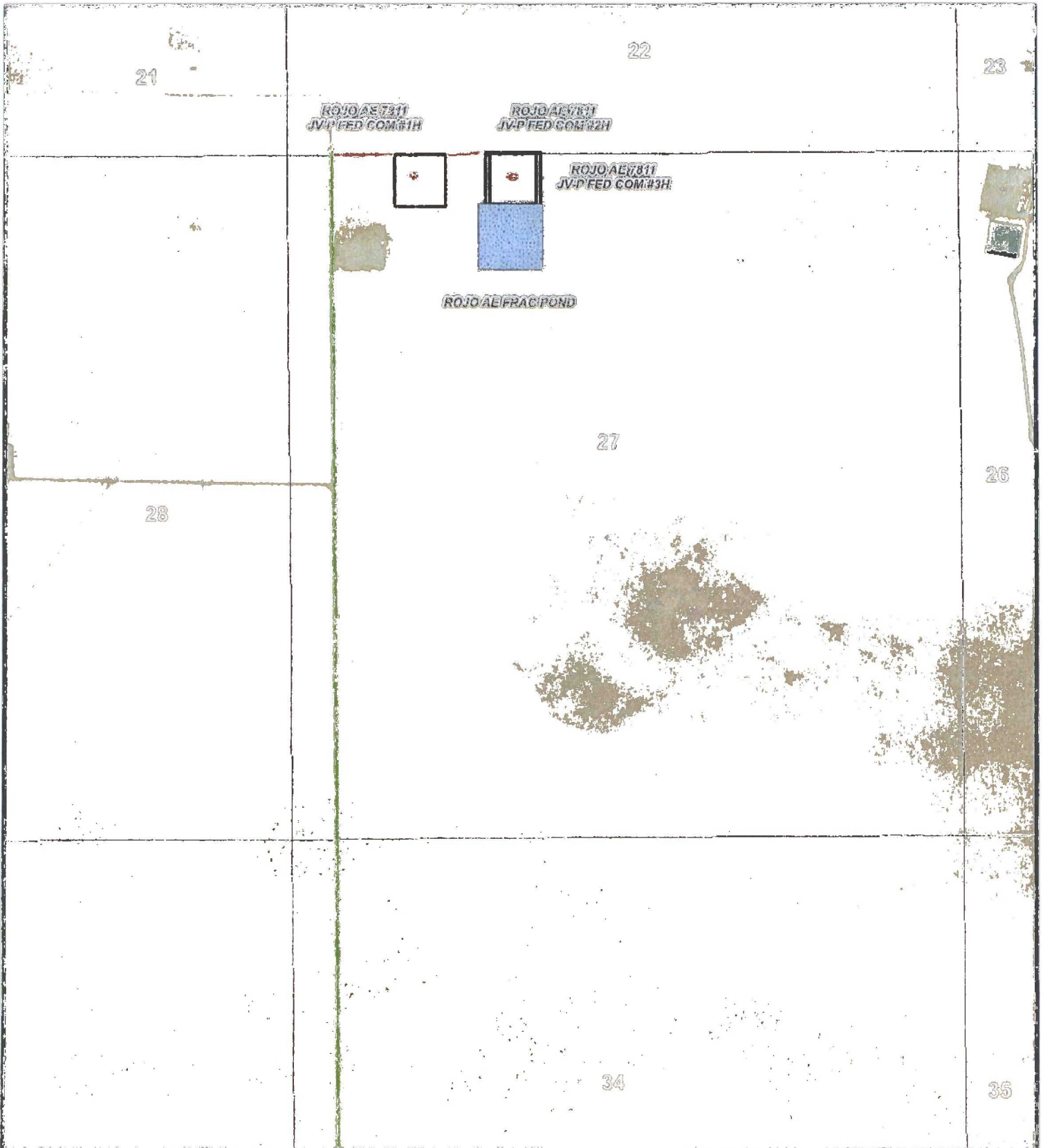
**HARCROW SURVEYING, LLC**  
 2314 W. MAIN ST, ARTESIA, N.M. 88210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com







**BTA OIL PRODUCERS, LLC**

SURVEY OF A PROPOSED FRAC POND LOCATED IN  
 SECTION 27, TOWNSHIP 25 SOUTH, RANGE 33  
 EAST, NMPM, LEA COUNTY, NEW MEXICO

SURVEY DATE: OCTOBER 12, 2016	
DRAFTING DATE: OCTOBER 18, 2016	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: VD
FILE: 16-816	



**LEGEND**

-  FRAC POND
-  WELL
-  WELLPAD
-  EXISTING ROAD
-  PROPOSED ROAD

**ROJO AE FRAC POND**

SEC: 27    TWP: 25 S.    RGE: 33 E.    ELEVATION: 3341.1'  
 STATE: NEW MEXICO    COUNTY: LEA    650' FNL & 1831' FWL  
 W.O. # 16-816    LEASE: ROJO AE 7811 JV-P FED COM    SURVEY: N.M.P.M



LOCATION MAP    IMAGERY    10/18/2016    JR



**HARCROW SURVEYING, LLC.**  
 2314 W. MAIN ST, ARTESIA, NM 83210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 c.harcrow@harcrowsurveying.com