

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

OCD Hobbs  
**HOBBS OCD**  
MAY 16 2016  
**RECEIVED**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. MONET FEDERAL COM 10H ✓
2. Name of Operator COG OPERATING LLC ✓ Contact: MAYTE X REYES E-Mail: mreyes1@concho.com		9. API Well No. 30-025-42767 ✓
3a. Address 2208 WEST MAIN STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6945	10. Field and Pool, or Exploratory RED HILLS; UBS SHALE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T25S R33E NWNW 190FNL 410FWL ✓		11. County or Parish, and State LEA COUNTY, NM ✓

12. CHECK 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC, respectfully requests approval to construct a 800' x 800' fresh water frac pond in Section 4, T25S, R33E.

The frac pond will serve the Monet Federal #3H, Monet Federal Com #4H, Monet Federal 8H, Monet Federal Com #9H and Monet Federal Com #10H and any other wells within a 2 mile radius.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #331105 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs**

Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/09/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

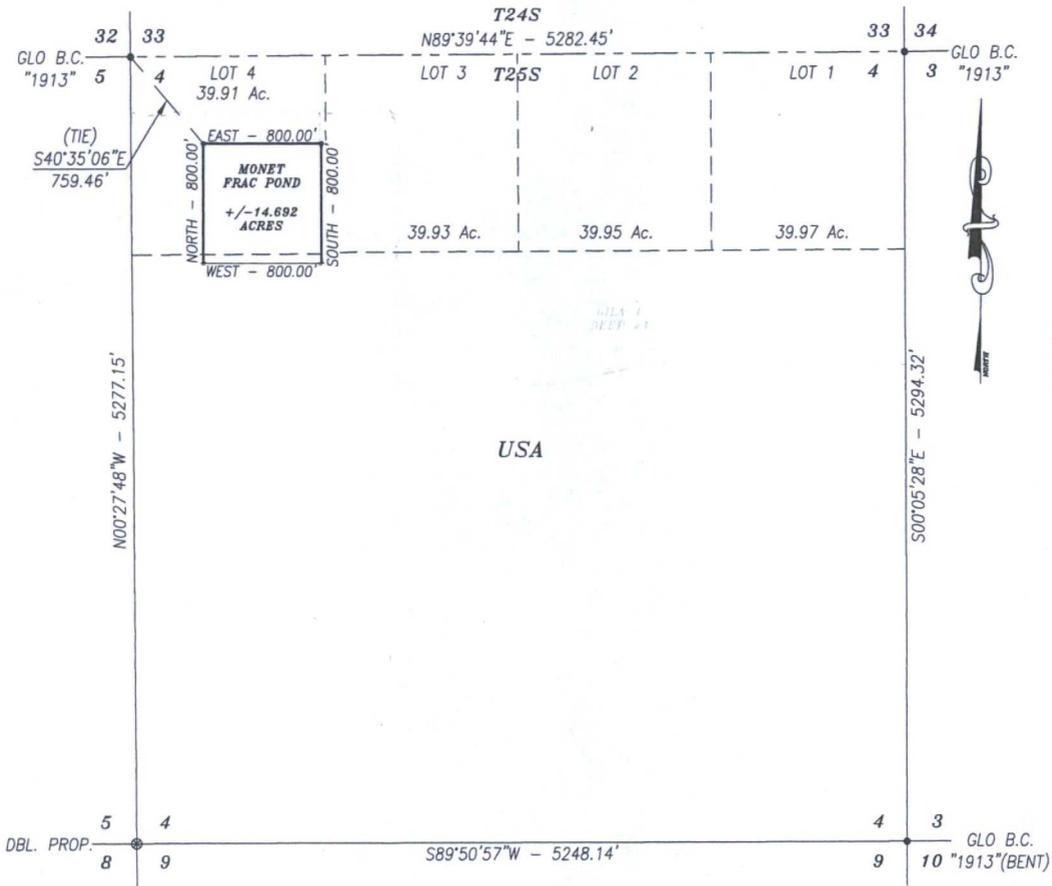
Approved By <i>Stephen J. Coley</i>	Title <b>FOR FIELD MANAGER</b>	Date 4/11/16
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <b>BLM-CARLSBAD FIELD OFFICE</b>

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**FRAC POND PLAT  
COG OPERATING, LLC.**

A PROPOSED FRAC POND KNOWN AS THE "MONET FRAC POND" IN  
**SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
LEA COUNTY, NEW MEXICO.



DESCRIPTION

A PROPOSED FRAC POND WITHIN USA LAND IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID FRAC POND, WHICH LIES S40°35'06"E 759.46 FEET FROM THE NORTHWEST CORNER; THEN EAST 800.00 FEET; THEN SOUTH 800.00 FEET; THEN WEST 800.00 FEET; THEN NORTH 800.00 FEET BACK TO THE POINT OF BEGINNING.

SAID FRAC CONTAINING 14.692 ACRES.

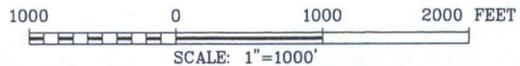
NOTE: THIS PLAT IS NOT A LAND DIVISION OF ANY KIND

**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.

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



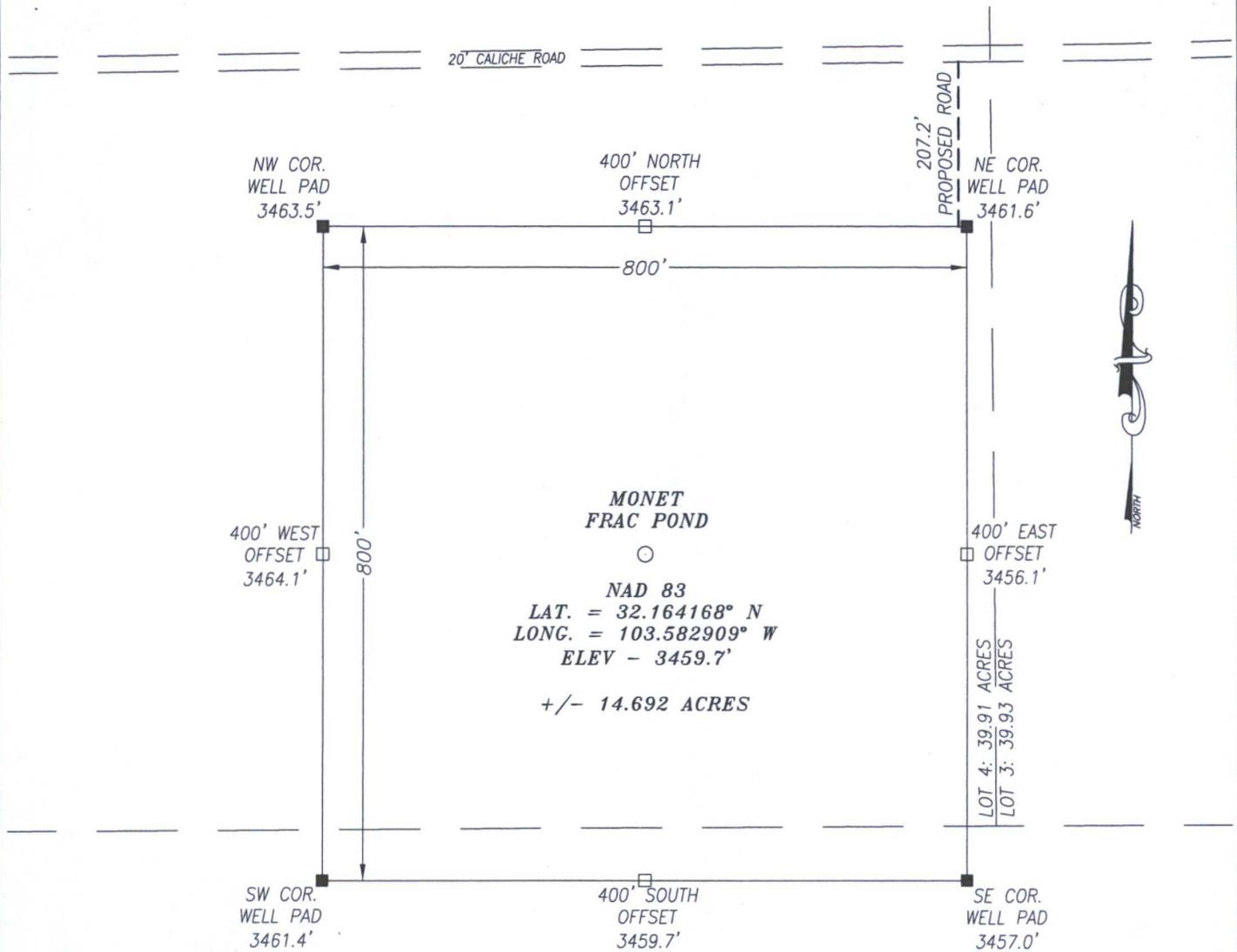
**CERTIFICATION**  
I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



*Chad Harcrow*  
CHAD HARCROW N.M.P.S. NO. 17777 DATE 2/8/16

<b>COG OPERATING, LLC</b>	
SURVEY OF A PROPOSED FRAC POND LOCATED IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: FEBRUARY 4, 2016	
DRAFTING DATE: FEBRUARY 5, 2016	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: SP FILE: 16-70

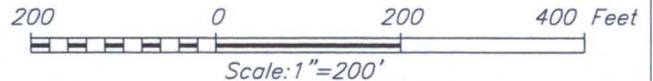
SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



**MONET  
FRAC POND**  
○  
NAD 83  
LAT. = 32.164168° N  
LONG. = 103.582909° W  
ELEV - 3459.7'  
+/- 14.692 ACRES

**DIRECTIONS TO FRAC POND**

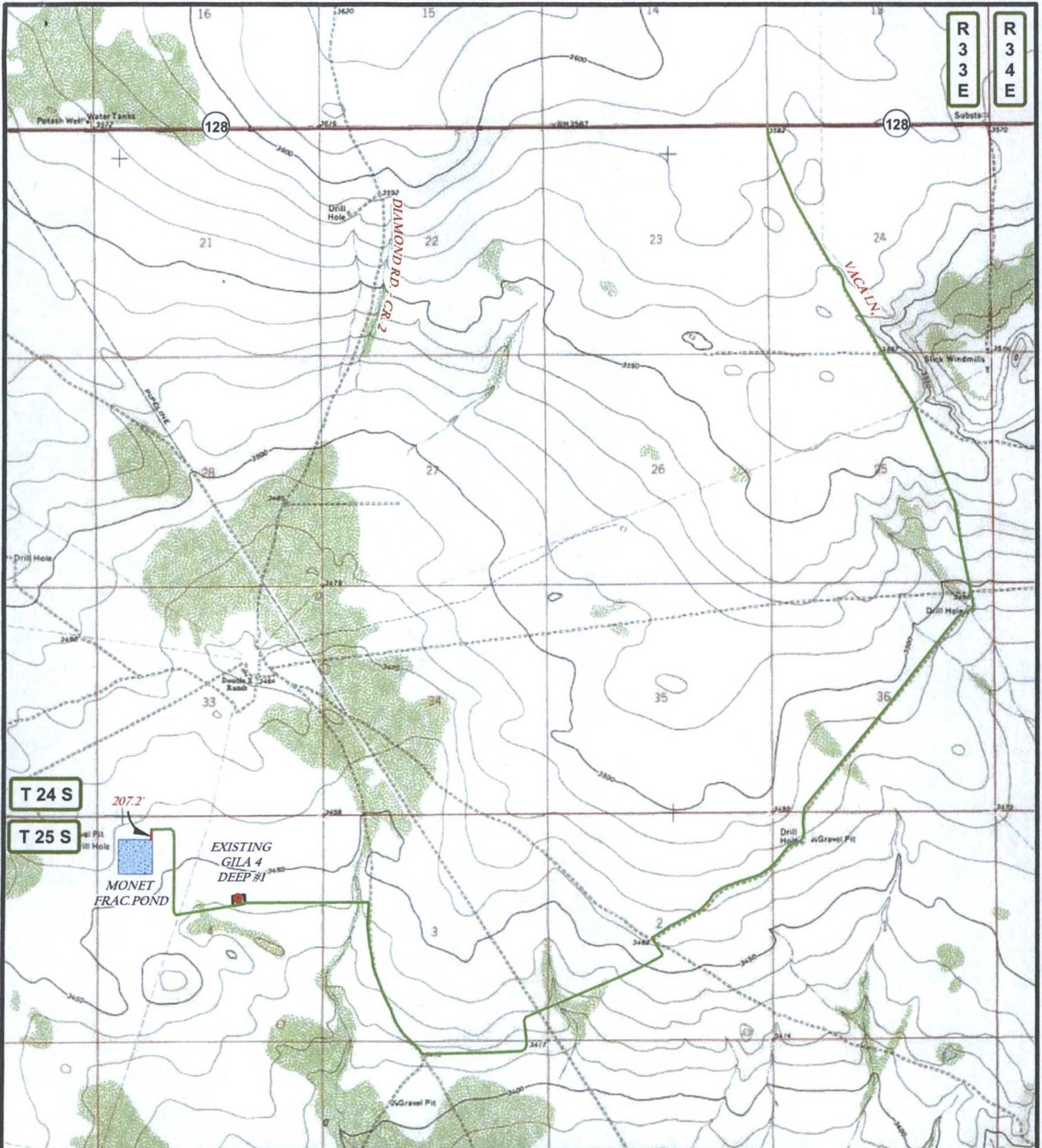
HEADING EAST ON HWY 128 APPROX. 0.5 MILE PAST MILE MARKER 30 TURN RIGHT (SOUTHEAST) ONTO A CALICHE LEASE RD AND GO APPROX. 2.35 MILES ALONG MEANDERING RD; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 2.1 MILES ALONG MEANDERING RD; THEN TURN LEFT (SOUTHEAST) AND GO APPROX. 0.1 MILE; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 0.65 MILE; THEN TURN LEFT (SOUTH) AND GO APPROX. 0.15 MILE; THEN TURN RIGHT (WEST) AND GO APPROX. 0.45 MILE; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 0.75 MILE; THEN TURN LEFT (WEST) AND GO APPROX. 0.55 MILE TO EXISTING GILA 4 DEEP #1 WELLPAD; GO TO SOUTHWEST WELL PAD CORNER AND CONTINUE WEST ALONG CALICHE RD FOR APPROX. 0.25 MILE; THEN TURN RIGHT (NORTH) AND GO 0.4 MILE; THEN TURN LEFT (WEST) AND GO APPROX. 0.1 MILE; THEN PROPOSED FRAC POND IS APPROX. 720 FEET SOUTHWEST.



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c.harcrow@harcrowsurveying.com



<b>COG OPERATING, LLC</b>		
<b>MONET FRAC POND</b> LOCATED 982 FEET FROM THE NORTH LINE AND 886 FEET FROM THE WEST LINE OF SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
SURVEY DATE: FEBRUARY 4, 2016	PAGE: 1 OF 1	
DRAFTING DATE: FEBRUARY 5, 2016		
APPROVED BY: CH	DRAWN BY: SP	FILE: 16-70



T 24 S

T 25 S

R 33 E

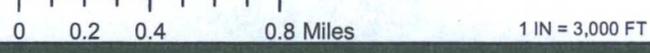
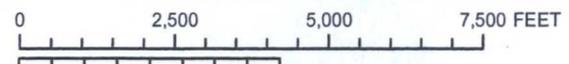
R 34 E

**LEGEND**

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

**MONET FRAC POND**

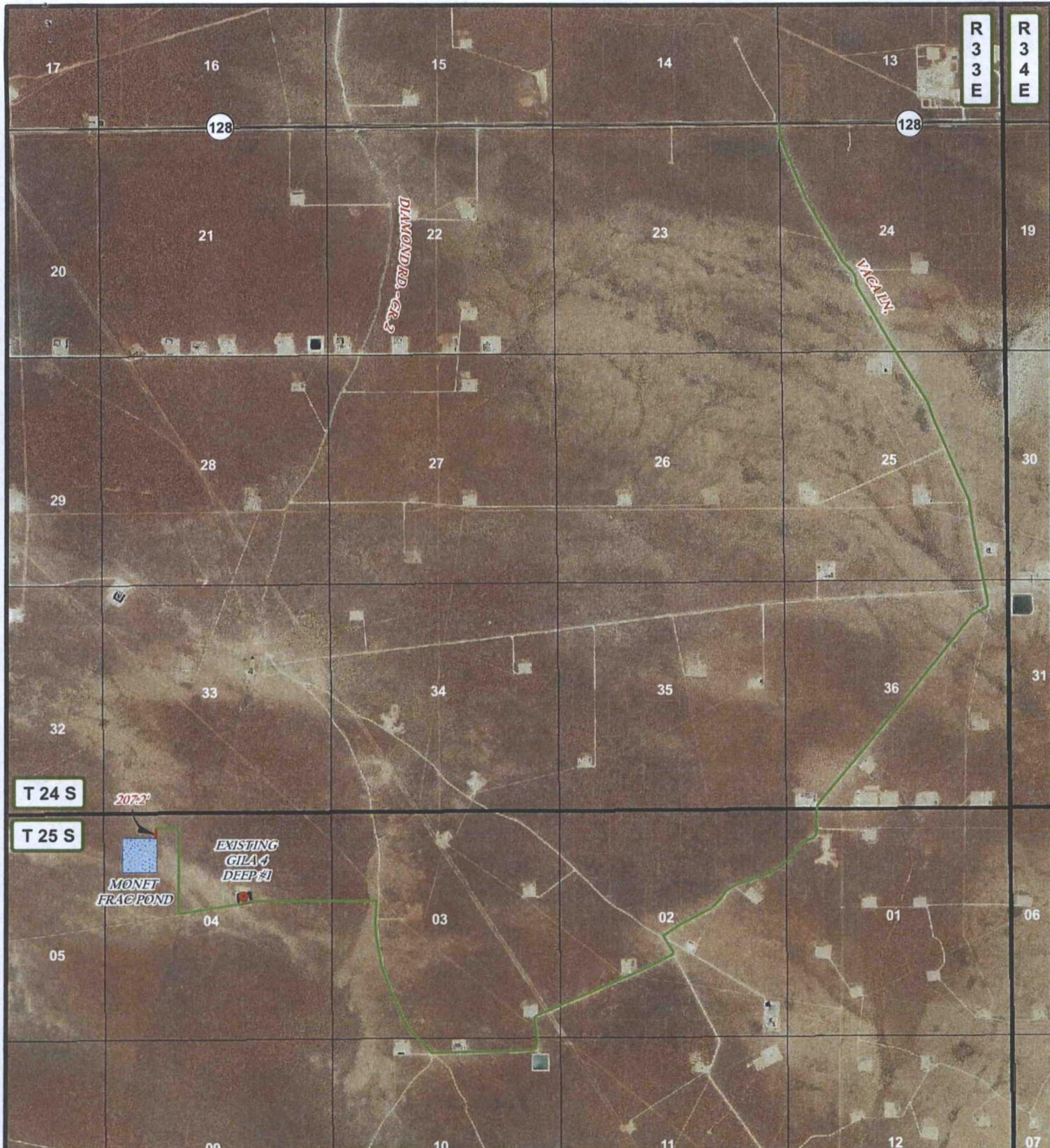
SEC: 4	TWP: 25 S.	RGE: 33 E.	ELEVATION: 3459.7
STATE: NEW MEXICO	COUNTY: LEA	982' FNL & 886' FWL	
W.O. # 16-70	LEASE: MONET	SURVEY: N.M.P.M	



LOCATION MAP TOPO 02/05/2016 S.P.




**HARCROW SURVEYING, LLC.**  
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 c.harcrow@harcrowsurveying.com



T 24 S

T 25 S

R 33 E

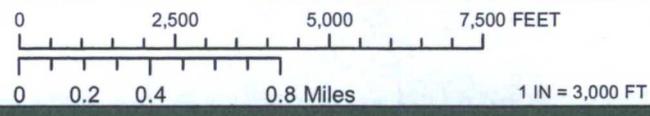
R 34 E

**LEGEND**

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

**MONET FRAC POND**

SEC: 4	TWP: 25 S.	RGE: 33 E.	ELEVATION: 3459.7'
STATE: NEW MEXICO		COUNTY: LEA	982' FNL & 886' FWL
W.O. # 16-70		LEASE: MONET	SURVEY: N.M.P.M



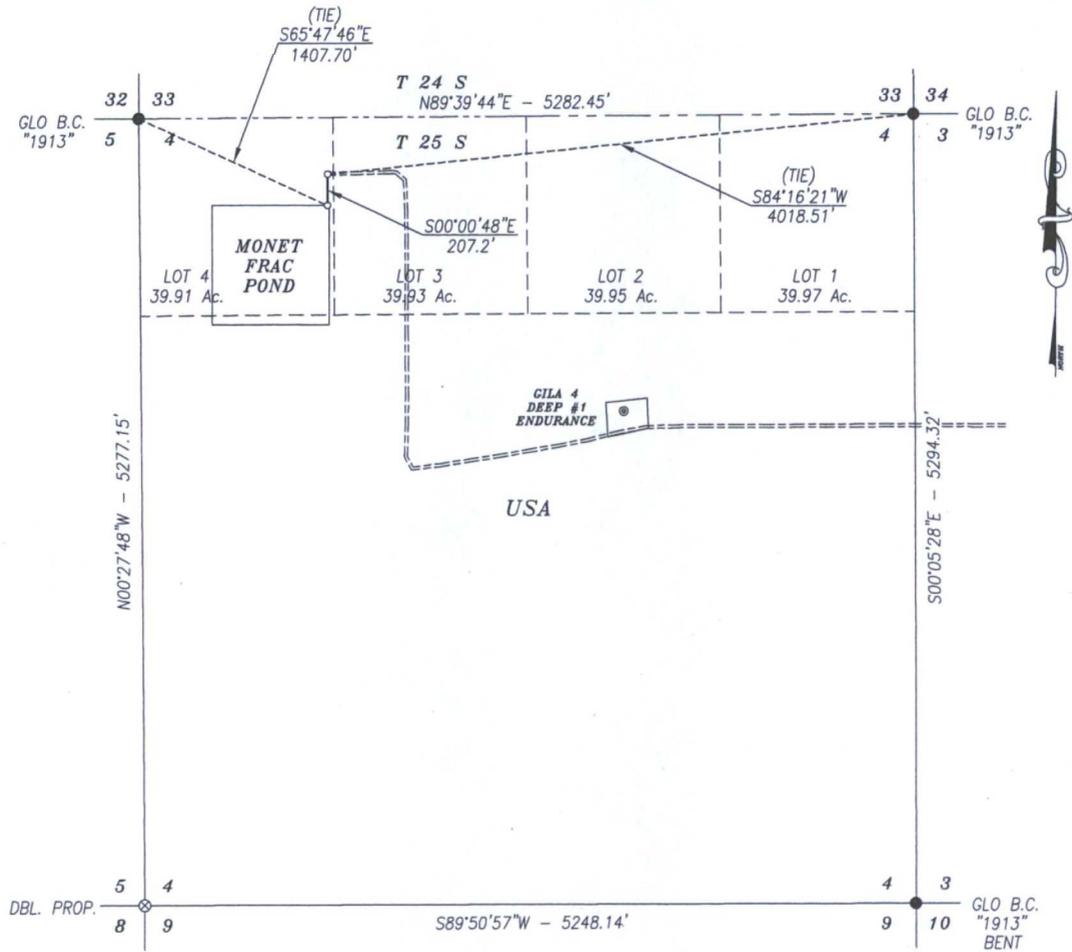
LOCATION MAP      IMAGERY      02/05/2016      S.P.




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**ROAD PLAT  
COG OPERATING, LLC**

PROPOSED ROAD TO THE MONET FRAC POND FROM EXISTING ROAD IN  
**SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**



**DESCRIPTION**

A STRIP OF LAND 30.0 FEET WIDE AND 207.2 FEET OR 12.56 RODS OR 0.039 MILES IN LENGTH CROSSING USA LAND IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

**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

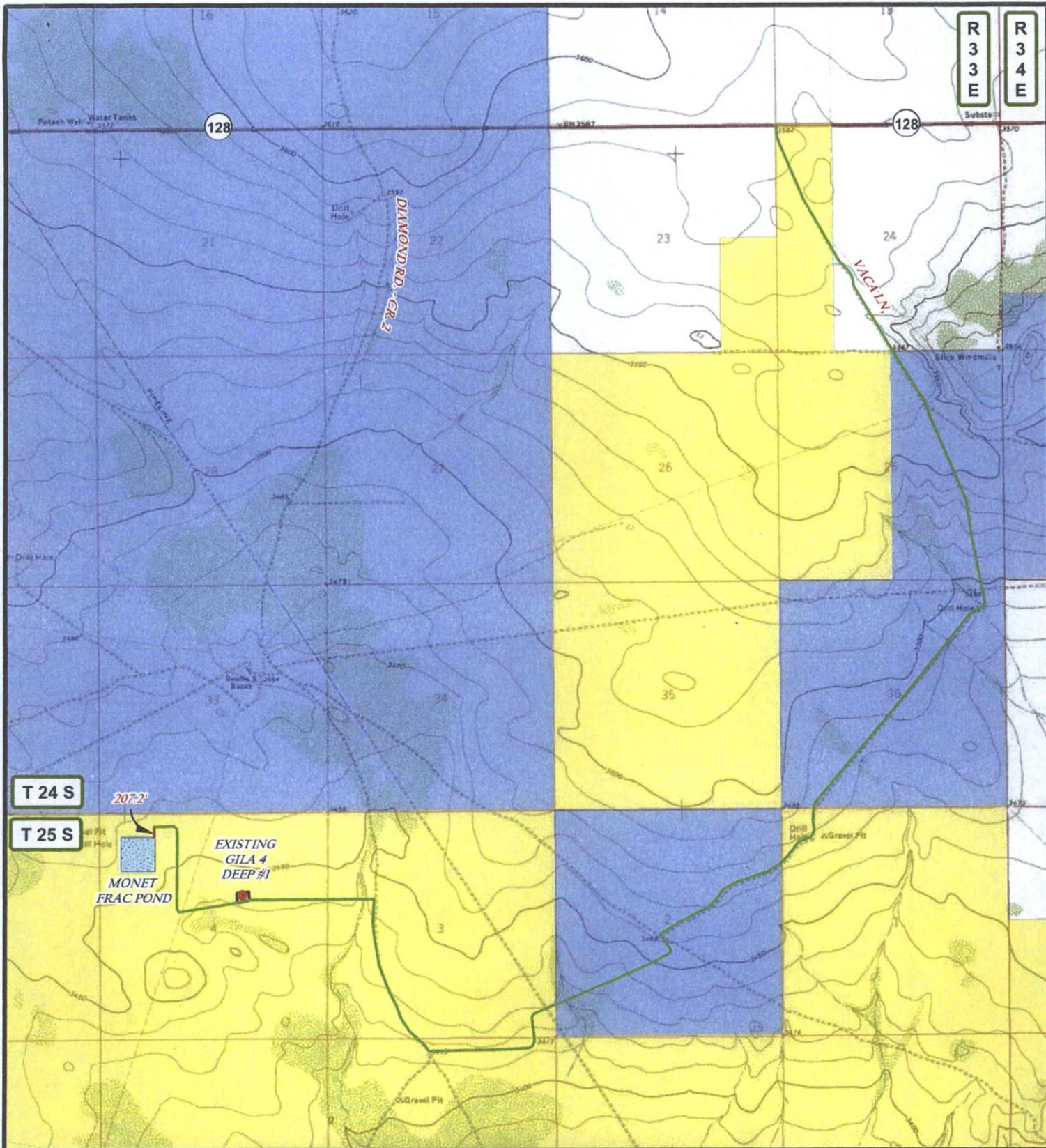
2/9/16  
DATE

**HARCROW SURVEYING, LLC**  
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c.harcrow@harcrowsurveying.com



1000 0 1000 2000 FEET  
SCALE: 1"=1000'

<b>COG OPERATING, LLC</b>	
SURVEY OF A PROPOSED ROAD LOCATED IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: FEB. 4, 2016	
DRAFTING DATE: FEB. 9, 2016	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: VD
	FILE: 16-70



R 33 E  
R 34 E

T 24 S

T 25 S

207.2'

MONET  
FRAC POND

EXISTING  
GILA 4  
DEEP #1

**LEGEND**

-  FRAC POND
-  WELL
-  WELLPAD
-  EXISTING ROAD
-  PROPOSED ROAD
-  PRIVATE
-  STATE OF NM
-  US BLM

**MONET FRAC POND**

SEC: 4    TWP: 25 S.    RGE: 33 E.    ELEVATION: 3459.7

STATE: NEW MEXICO    COUNTY: LEA    982' FNL & 886' FWL

W.O. # 16-70    LEASE: MONET    SURVEY: N.M.P.M

0    2,500    5,000    7,500 FEET

0    0.2    0.4    0.8 Miles    1 IN = 3,000 FT

LOCATION MAP

LAND STATUS

02/05/2016

S.P.

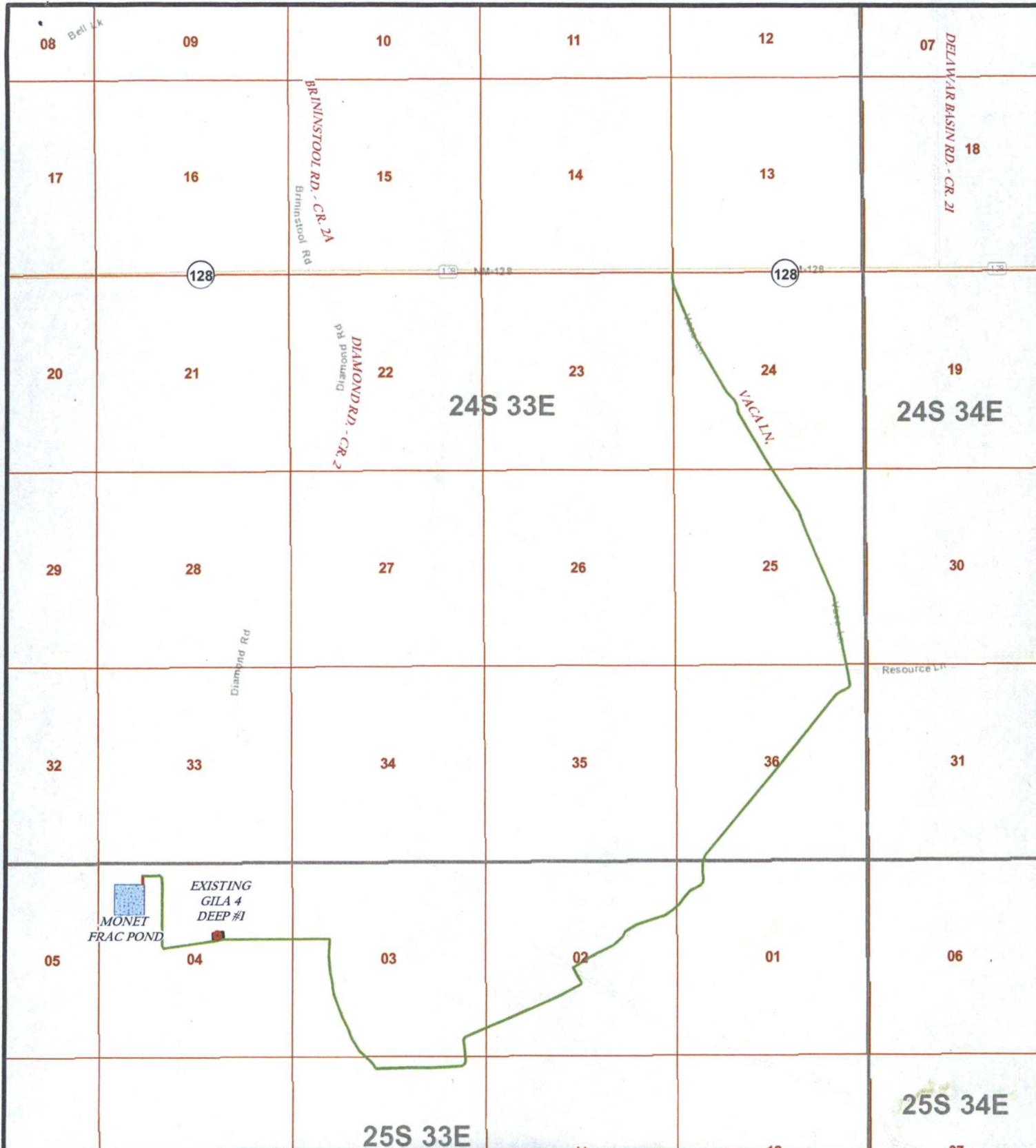


COG OPERATING, LLC



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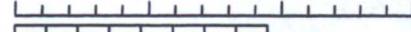
**LEGEND**

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

**MONET FRAC POND**

SEC: 4	TWP: 25 S.	RGE: 33 E.	ELEVATION: 3459.7'
STATE: NEW MEXICO		COUNTY: LEA	982' FNL & 886' FWL
W.O. # 16-70		LEASE: MONET	SURVEY: N.M.P.M

0 2,500 5,000 7,500 FEET



0 0.225 0.45 0.9 Miles 1 IN = 3,500 FT

LOCATION MAP

VICINITY

02/05/2016

S.P.



COG OPERATING, LLC



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1

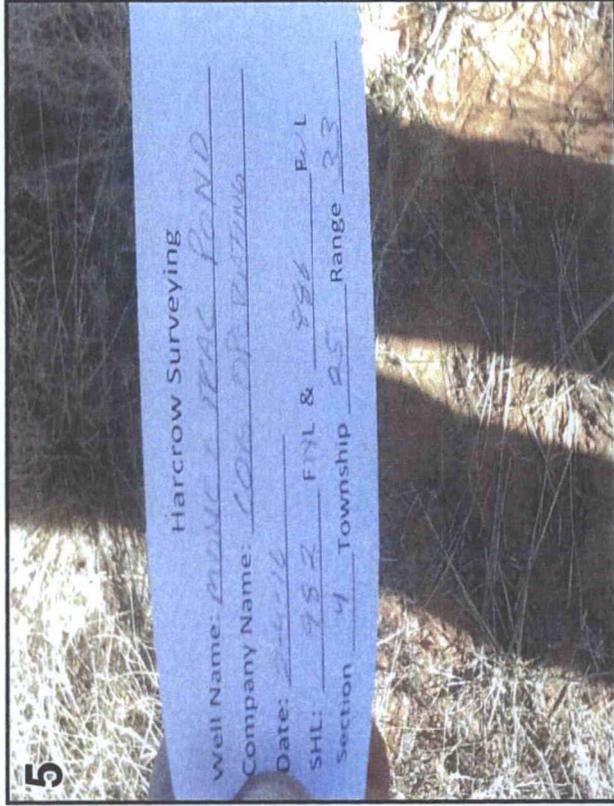


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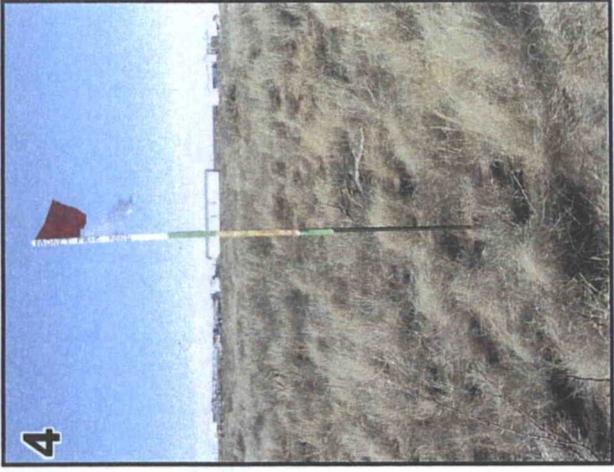
1. BEGIN OF PROPOSED ROAD
2. END OF PROPOSED ROAD
3. LOCATION STAKE NAME
4. LOCATION STAKE
5. PILL BOTTLE SHEET



3



5



4



COG OPERATING, LLC

MONET FRAC POND

SEC: 4 TWP: 25 S. RGE: 33 E. ELEVATION: 3459.7'  
 STATE: NEW MEXICO COUNTY: LEA 982' FNL & 886' FWL  
 W.O. # 16-70 LEASE: MONET SURVEY: N.M.P.M

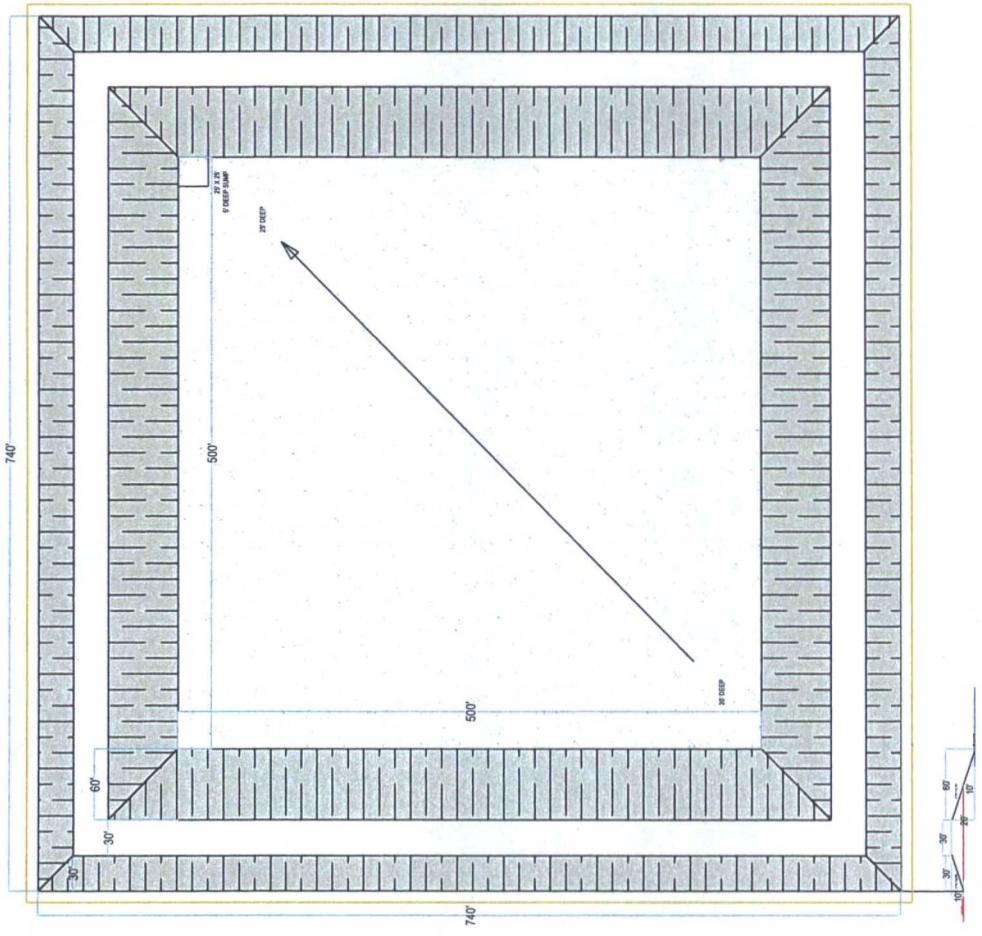
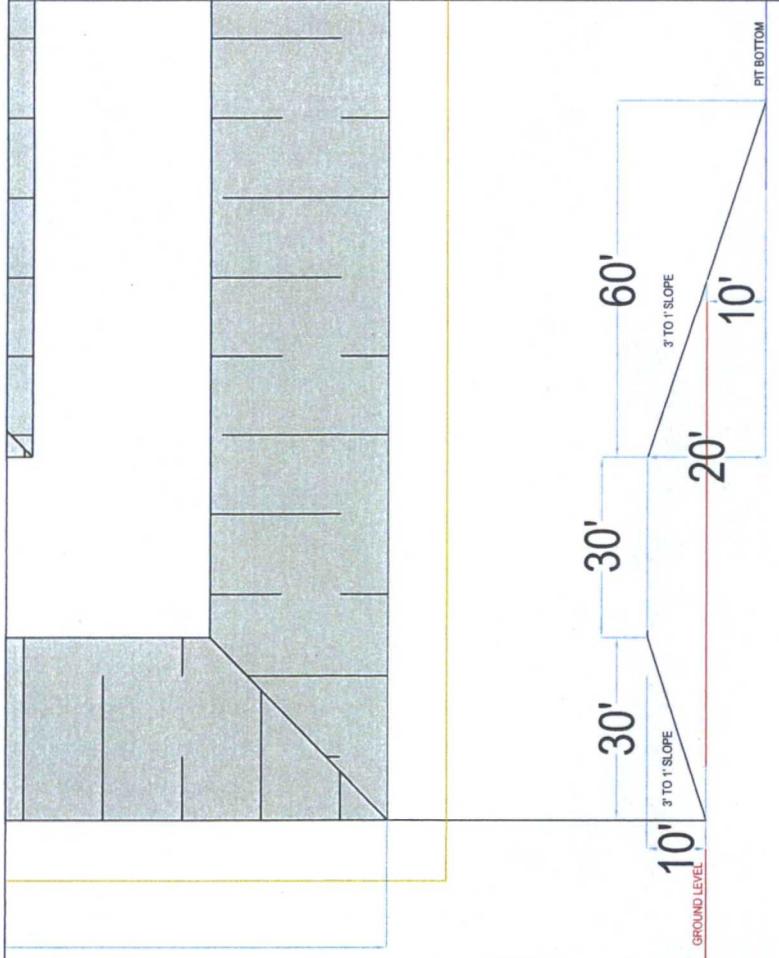
PHOTO SHEET

02/09/2016

S.P.



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 c.harcrow@harcrowsurveying.com



# 500' x 500' FRAC PIT

FRAC PIT AREA\_740' x 740' = 547,600 SQ. FT., 12.57 ACRES

ATS-16-696

Well Name & Number: MONET FRAK POND 1

Date Received: 2/23/16

Operator: COG

1. AFMSS Date:

Initials:

Project Lead:

2. Onsite Date:

3. Onsite Scheduled For:

GIS Section

GIS Received Date:

GIS RECEIVED  
FEB 22 2016

Assigned To: JOHN BELL

NOS Scanned:

Yes  No

IT4RM Input:

Yes  No

IT4RM Upload:

Yes  No

Potash:

None

SEC

WIPP

R-111

Notify for Onsite

Potash Quick look:

Location may be approved  Deferred

Surface Own:

BLM

S

P

Cave/Karst:

Low

Med

High

Notify for Onsite

Wildlife Pod:

None

0

1

2

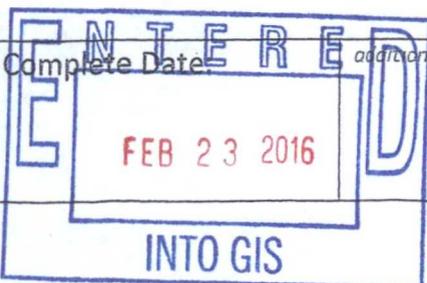
3

4

Notify for Onsite

Comments:

GIS Complete Date:



additional stamps

additional stamps

additional stamps

ATS-16-696

NOTICE OF STAKING Not to be used in place of Application for Permit to Drill (Form 3160-3)		6. Lease Number NMNM118726	
1. Oil Well _____ Gas Well _____ Other (Specify) OTHER		7. If Indian, Allottee or Tribe Name	
2. Name of Operator: COG OPERATING LLC		8. Unit Agreement Name	
3. Name of Specific Contact Person: MAYTE X REYES E-Mail: MREYES1@CONCHO.COM		9. Farm or Lease Name	
4. Address & Phone No. of Operator or Agent 2208 WEST MAIN STREET ARTESIA, NM 88210		10. Well No. MONET FRAC POND 1	
5. Surface Location of Well  LOT 4		11. Field or Wildcat Name N/A	
Attach: a) Sketch showing road entry onto pad, pad dimensions, and reserve pit. b) Topographical or other acceptable map showing location, access road, and lease boundaries.		12. Sec., T., R., M., or Blk and Survey or Area  Sec 4 T25S R33E Mer	
15. Formation Objective(s) N/A	16. Estimated Well Depth	13. County, Parish, or Borough LEA	14. State NM
17. Additional Information (as appropriate; shall include surface owner's name, address, and if known, telephone number)  Please see attached plat, maps and schematic.			

Electronic Submission #331212 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Hobbs

18. Signed MAYTE X REYES Title REGULATORY ANALYST Date 02/10/2016

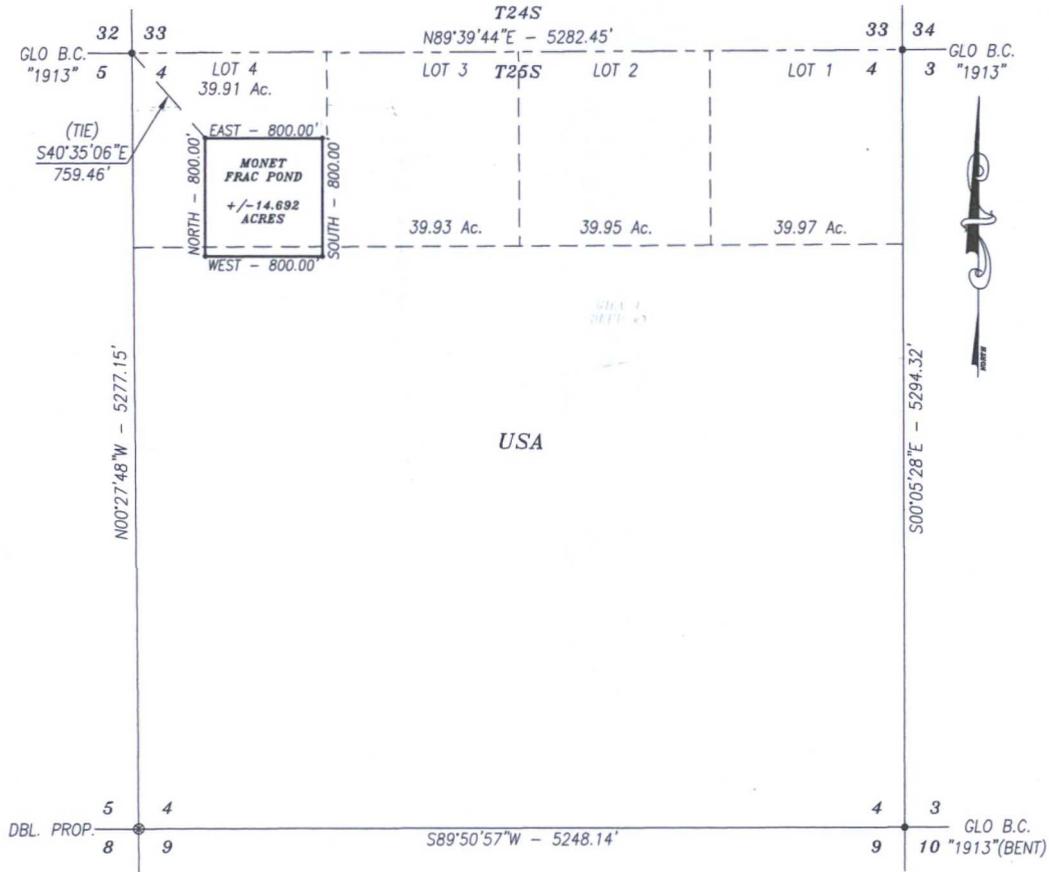
Note: Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:  
a) H2S Potential  
b) Cultural Resources (Archeology)  
c) Federal Right of Way or Special Use Permit

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

**FRAC POND PLAT  
COG OPERATING, LLC.**

A PROPOSED FRAC POND KNOWN AS THE "MONET FRAC POND" IN  
**SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
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**CERTIFICATION**

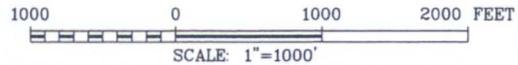
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*Chad Harcrow*

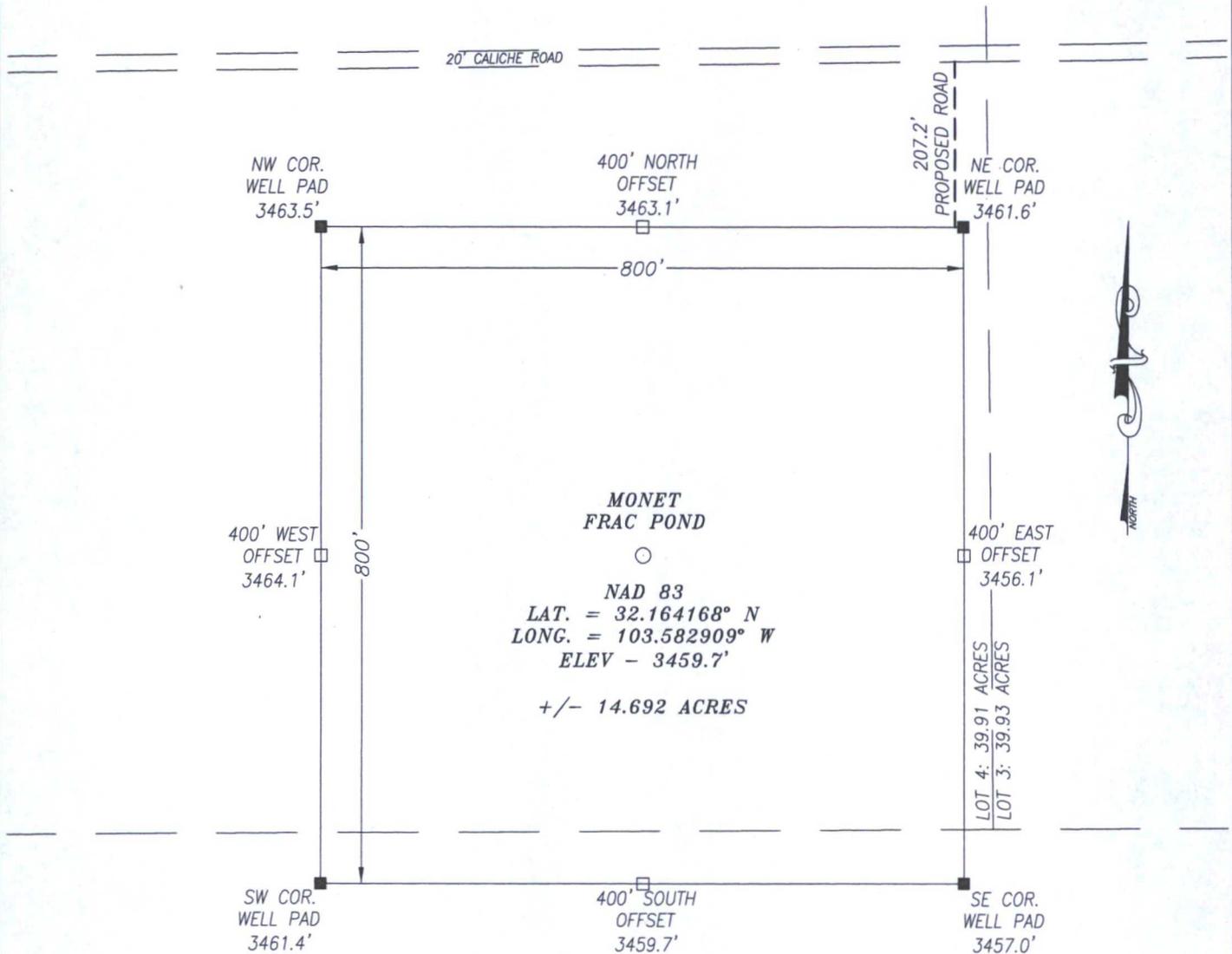
CHAD HARCROW N.M.P.S. NO. 17777

2/8/16  
DATE



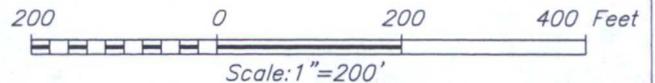
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SURVEY OF A PROPOSED FRAC POND LOCATED IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: FEBRUARY 4, 2016	
DRAFTING DATE: FEBRUARY 5, 2016	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: SP
	FILE: 16-70

SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



**DIRECTIONS TO FRAC POND**

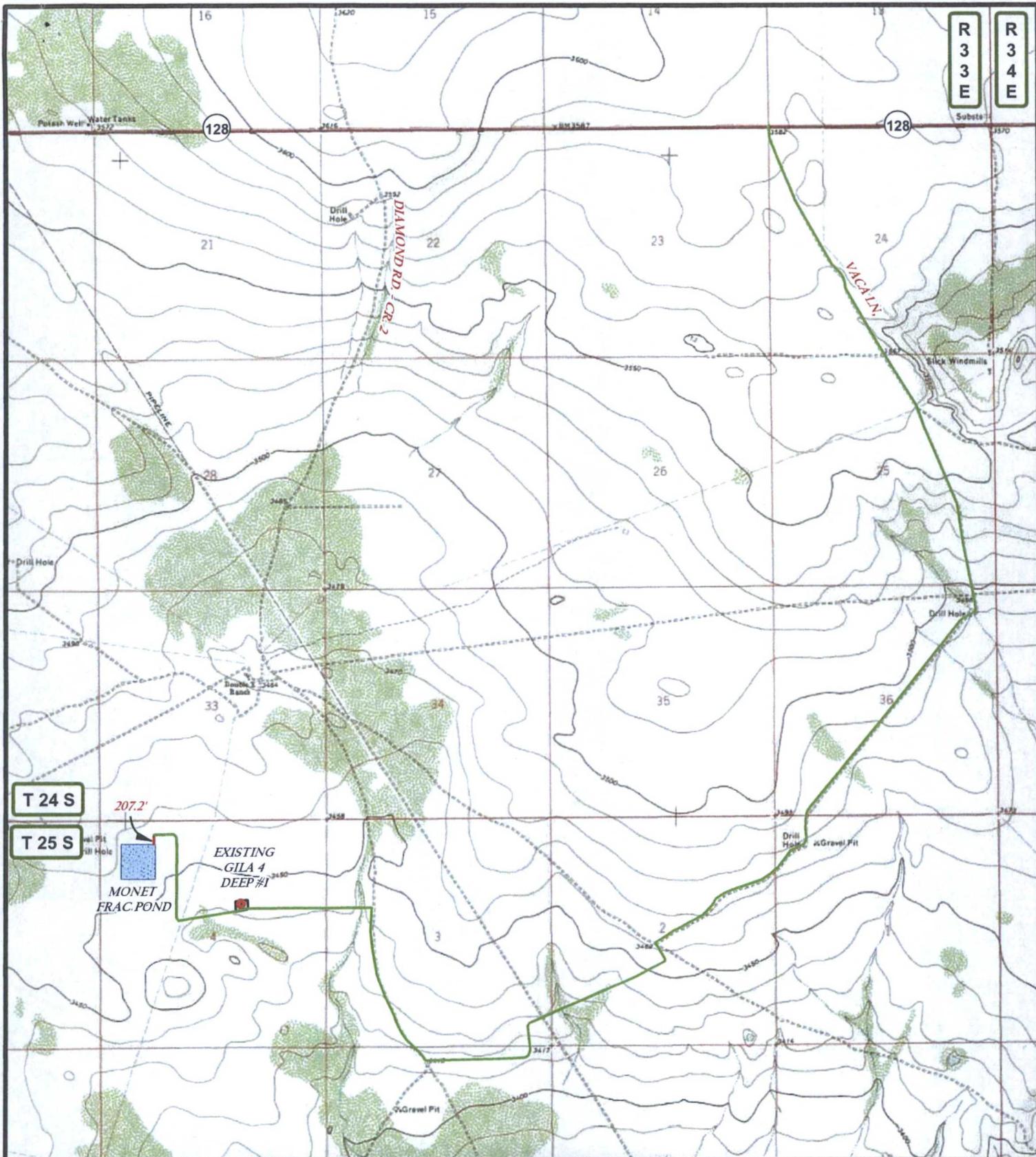
HEADING EAST ON HWY 128 APPROX. 0.5 MILE PAST MILE MARKER 30 TURN RIGHT (SOUTHEAST) ONTO A CALICHE LEASE RD AND GO APPROX. 2.35 MILES ALONG MEANDERING RD; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 2.1 MILES ALONG MEANDERING RD; THEN TURN LEFT (SOUTHEAST) AND GO APPROX. 0.1 MILE; THEN TURN RIGHT (SOUTHWEST) AND GO APPROX. 0.65 MILE; THEN TURN LEFT (SOUTH) AND GO APPROX. 0.15 MILE; THEN TURN RIGHT (WEST) AND GO APPROX. 0.45 MILE; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 0.75 MILE; THEN TURN LEFT (WEST) AND GO APPROX. 0.55 MILE TO EXISTING GILA 4 DEEP #1 WELLPAD; GO TO SOUTHWEST WELL PAD CORNER AND CONTINUE WEST ALONG CALICHE RD FOR APPROX. 0.25 MILE; THEN TURN RIGHT (NORTH) AND GO 0.4 MILE; THEN TURN LEFT (WEST) AND GO APPROX. 0.1 MILE; THEN PROPOSED FRAC POND IS APPROX. 720 FEET SOUTHWEST.



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c.harcrow@harcrowsurveying.com



<b>COG OPERATING, LLC</b>	
<b>MONET FRAC POND</b> LOCATED 982 FEET FROM THE NORTH LINE AND 886 FEET FROM THE WEST LINE OF SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO	
SURVEY DATE: FEBRUARY 4, 2016	PAGE: 1 OF 1
DRAFTING DATE: FEBRUARY 5, 2016	
APPROVED BY: CH	DRAWN BY: SP
	FILE: 16-70



T 24 S

T 25 S

207.2'

MONET  
FRAC POND

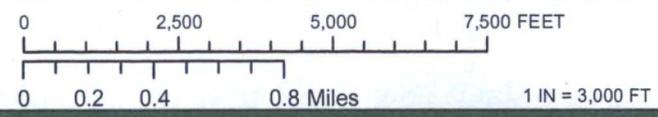
EXISTING  
GILA 4  
DEEP #1

**LEGEND**

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

**MONET FRAC POND**

SEC: 4	TWP: 25 S.	RGE: 33 E.	ELEVATION: 3459.7'
STATE: NEW MEXICO		COUNTY: LEA	982' FNL & 886' FWL
W.O. # 16-70		LEASE: MONET	SURVEY: N.M.P.M

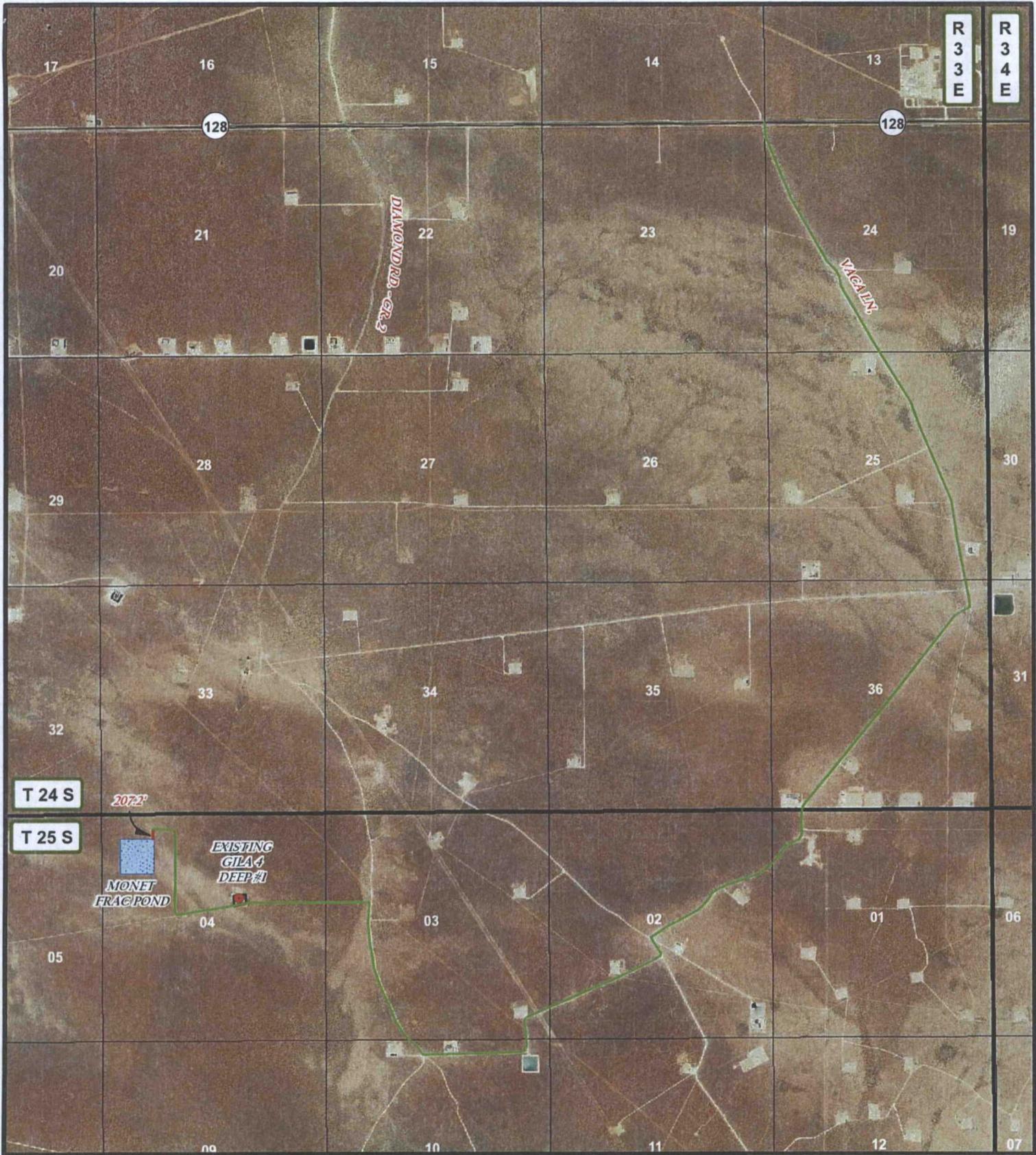


LOCATION MAP      TOPO      02/05/2016      S.P.



COG OPERATING, LLC

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T 24 S

T 25 S

R 33 E

R 34 E

**LEGEND**

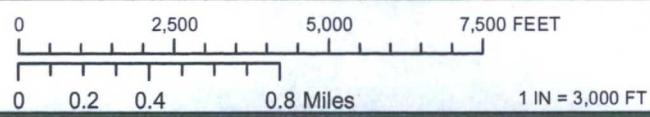
-  FRAC POND
-  WELL
-  WELLPAD
-  EXISTING ROAD
-  PROPOSED ROAD

**MONET FRAC POND**

SEC: 4    TWP: 25 S.    RGE: 33 E.    ELEVATION: 3459.7'

STATE: NEW MEXICO    COUNTY: LEA    982' FNL & 886' FWL

W.O. # 16-70    LEASE: MONET    SURVEY: N.M.P.M

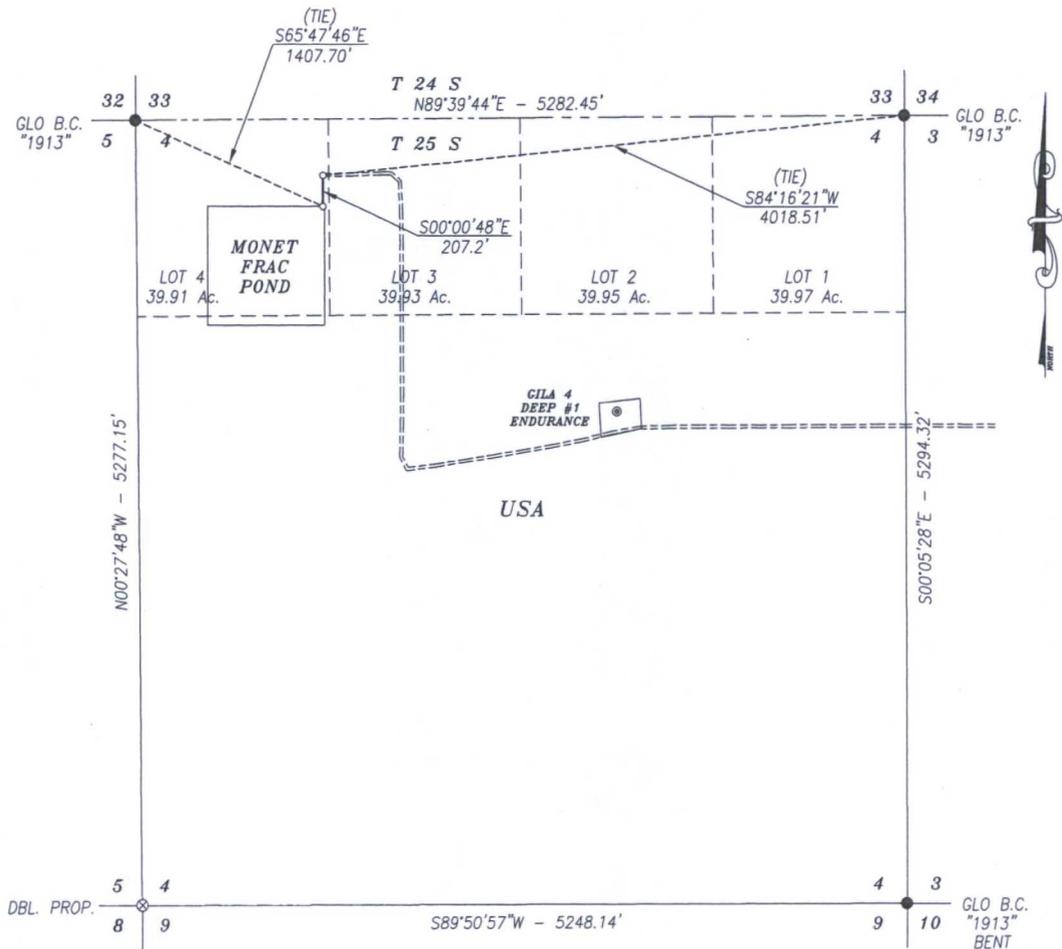


LOCATION MAP    IMAGERY    02/05/2016    S.P.




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**ROAD PLAT**  
**COG OPERATING, LLC**  
 PROPOSED ROAD TO THE MONET FRAC POND FROM EXISTING ROAD IN  
**SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO.



DESCRIPTION

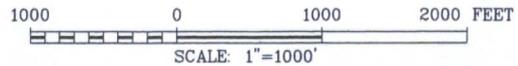
A STRIP OF LAND 30.0 FEET WIDE AND 207.2 FEET OR 12.56 RODS OR 0.039 MILES IN LENGTH CROSSING USA LAND IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

**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.

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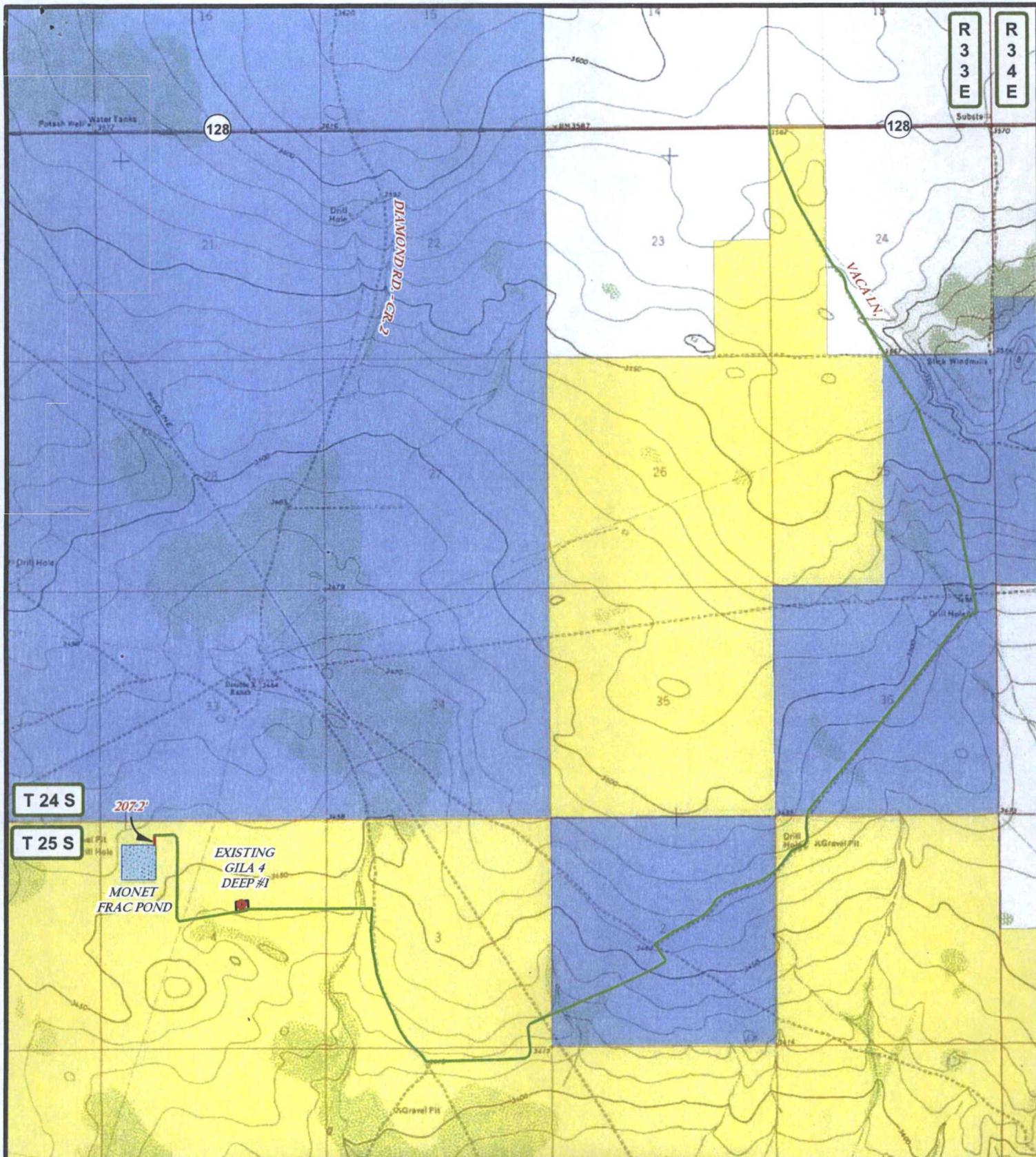
**CERTIFICATION**  
 I, CHAD HARCROW, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



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

2/9/16  
 DATE

<b>COG OPERATING, LLC</b>	
SURVEY OF A PROPOSED ROAD LOCATED IN SECTION 4, TOWNSHIP 25 SOUTH, RANGE 33 EAST, LEA COUNTY, NMPM, NEW MEXICO	
SURVEY DATE: FEB. 4, 2016	
DRAFTING DATE: FEB. 9, 2016	PAGE 1 OF 1
APPROVED BY: CH	DRAWN BY: VD
	FILE: 16-70



R 3 3 E  
R 3 4 E

T 24 S

T 25 S

2072'

MONET  
FRAC POND

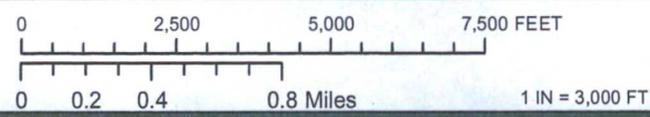
EXISTING  
GILA 4  
DEEP #1

**LEGEND**

-  FRAC POND
-  WELL
-  WELLPAD
-  EXISTING ROAD
-  PROPOSED ROAD
-  PRIVATE
-  STATE OF NM
-  US BLM

**MONET FRAC POND**

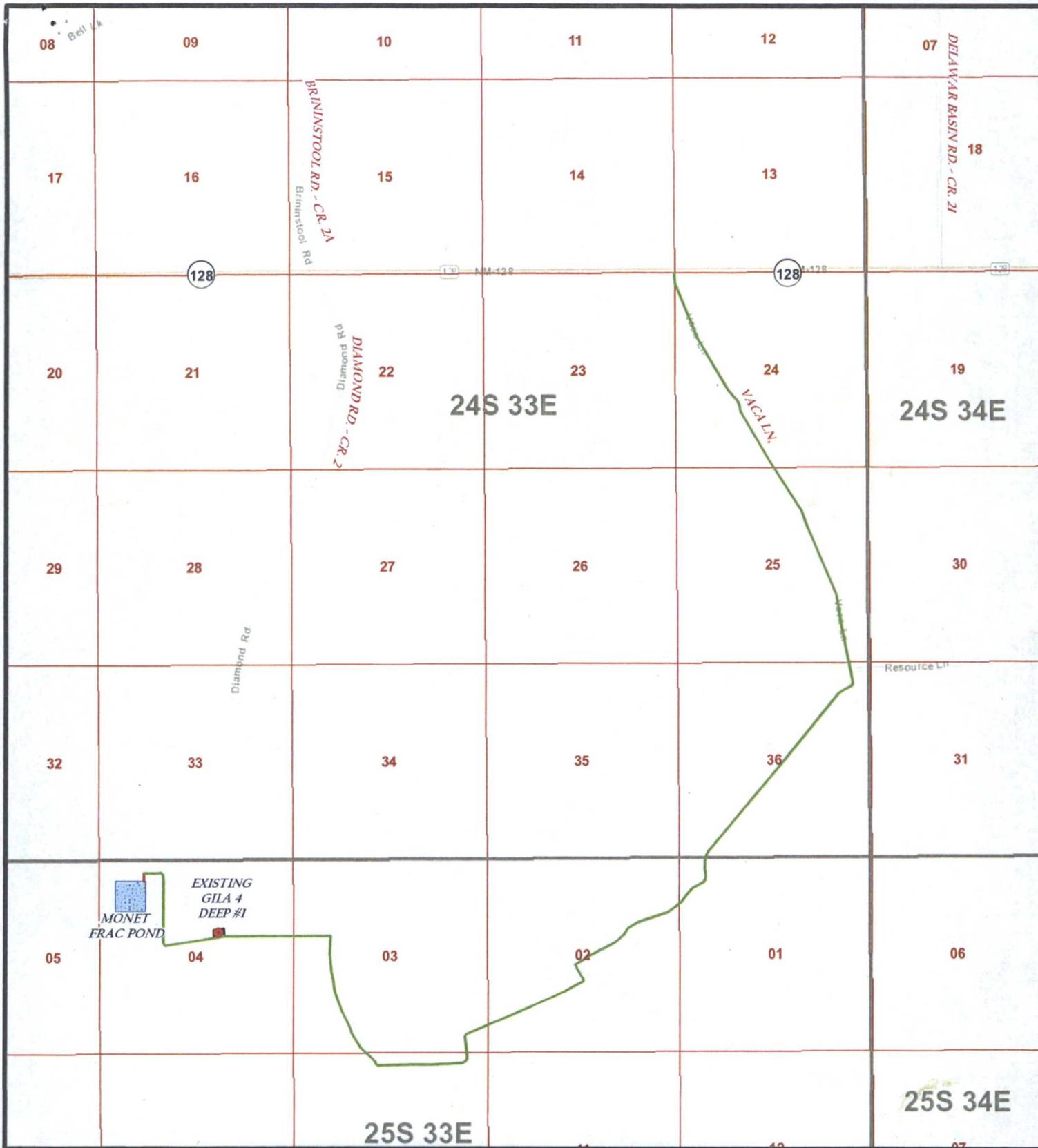
SEC: 4    TWP: 25 S.    RGE: 33 E.    ELEVATION: 3459.7'  
 STATE: NEW MEXICO    COUNTY: LEA    982' FNL & 886' FWL  
 W.O. # 16-70    LEASE: MONET    SURVEY: N.M.P.M



LOCATION MAP    LAND STATUS    02/05/2016    S.P.

  
**CONCHO**  
 COG OPERATING, LLC

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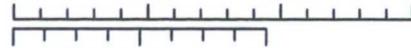
**LEGEND**

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

**MONET FRAC POND**

SEC: 4    TWP: 25 S.    RGE: 33 E.    ELEVATION: 3459.7'  
 STATE: NEW MEXICO    COUNTY: LEA    982' FNL & 886' FWL  
 W.O. # 16-70    LEASE: MONET    SURVEY: N.M.P.M

0    2,500    5,000    7,500 FEET



0    0.225    0.45    0.9 Miles    1 IN = 3,500 FT

LOCATION MAP

VICINITY

02/05/2016

S.P.



COG OPERATING, LLC



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1

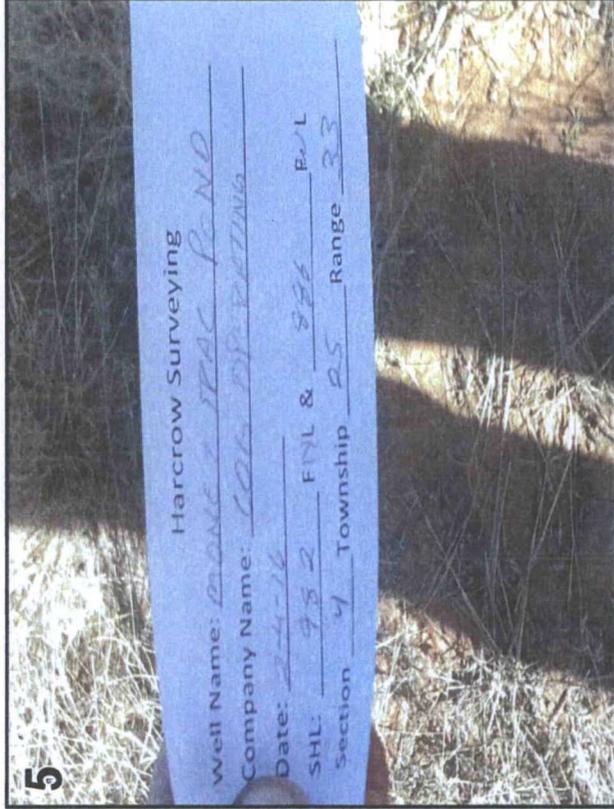


2

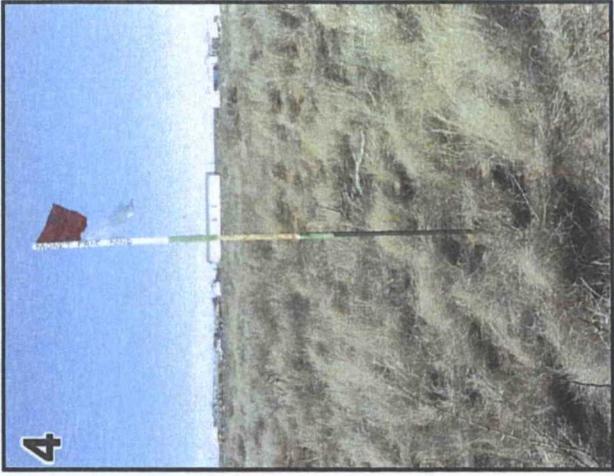
1. BEGIN OF PROPOSED ROAD
2. END OF PROPOSED ROAD
3. LOCATION STAKE NAME
4. LOCATION STAKE
5. PILL BOTTLE SHEET



3



5



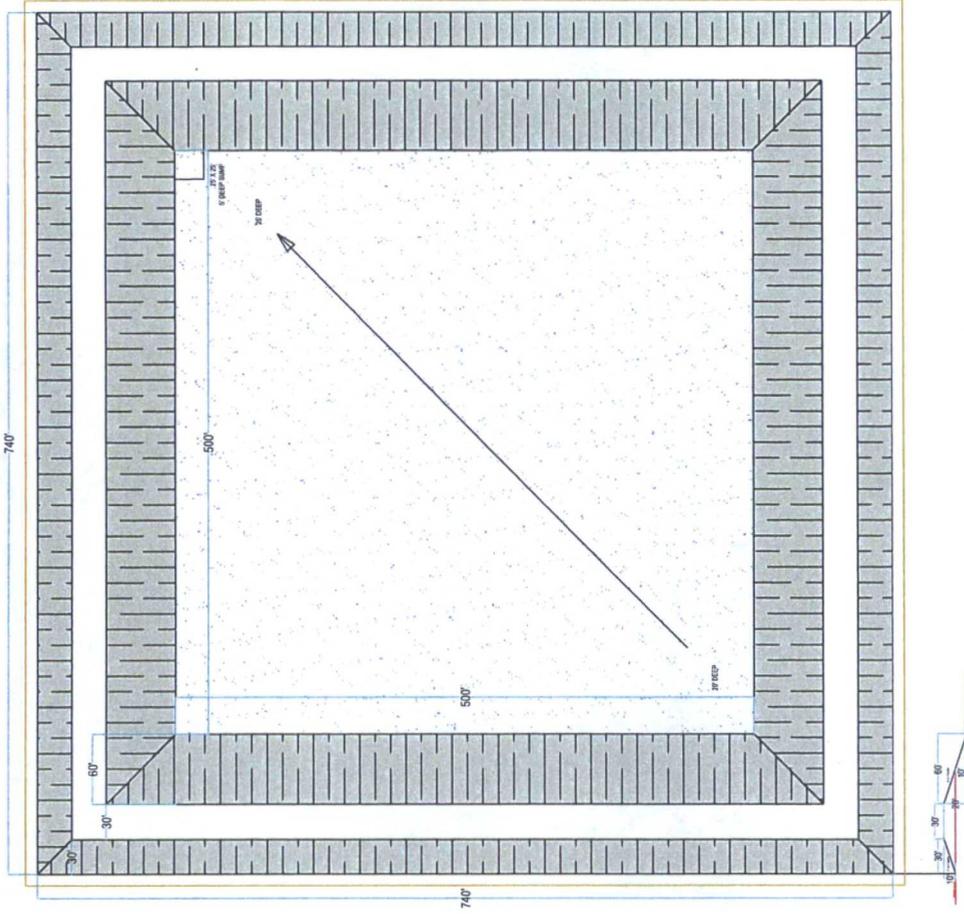
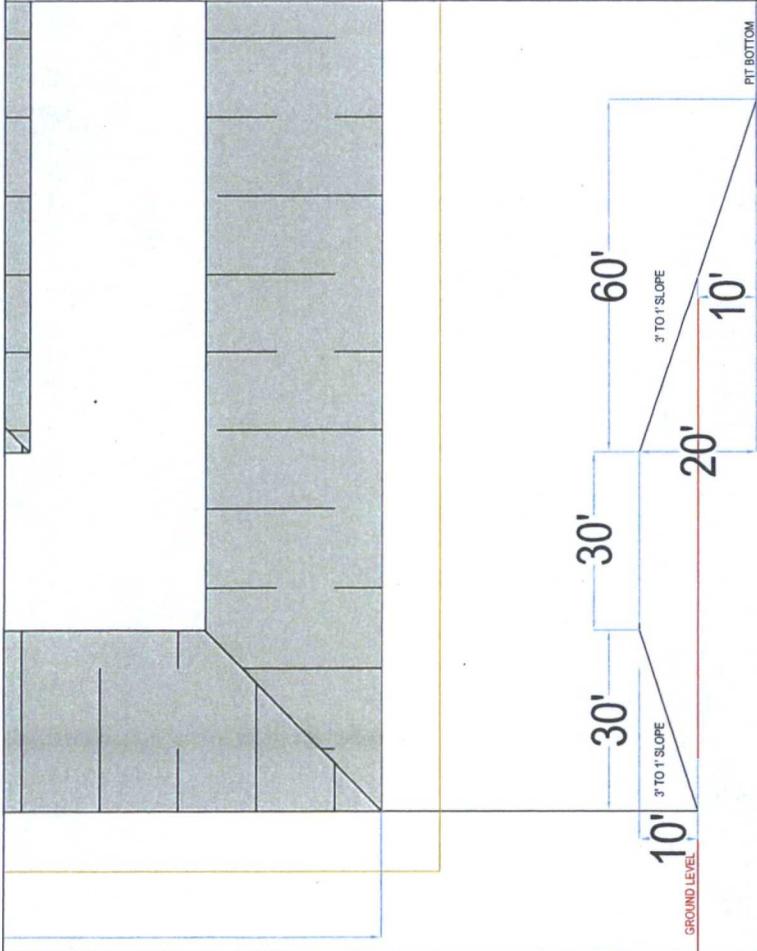
4

**CONCHO**  
COG OPERATING, LLC

**MONET FRAC POND**

SEC: 4 TWP: 25 S. RGE: 33 E. ELEVATION: 3459.7'  
 STATE: NEW MEXICO COUNTY: LEA 982' FNL & 886' FWL  
 W.O. # 16-70 LEASE: MONET SURVEY: N.M.P.M

**H**  
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 c.harcrow@harcrowsurveying.com



## 500' x 500' FRAC PIT

FRAC PIT AREA\_740' x 740' = 547,600 SQ FT, 12.57 ACRES

**BLM LEASE NUMBER:** NMNM118726  
**COMPANY NAME:** COG Operating, LLC  
**ASSOCIATED WELL NAME:** Monet Federal Com #10H

**HOBBS OCD**

**MAY 16 2016**

FRAC POND CONDITIONS OF APPROVAL **RECEIVED**

A copy of the application (APD, Grant, or Sundry Notice) and attachments, including stipulations, survey plat and diagram, will be on location during construction. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.
3. Required Standard Conditions of Approval:

**a. Notification**

Contact the Supervisory Environmental Protection Specialist, Jim Amos, at 575-234-5909 at least 24 hours prior to starting construction.

**b. Freshwater Only**

The frac pond will only be authorized to contain freshwater and testing of water quality is required. Additives are not allowed without consent of the authorized officer in writing.

**c. Contamination**

If at any time the water in the frac pond becomes polluted with salts or other contaminants, use of the frac pond will cease and desist, and all liquids will be removed from the frac pond and disposed of properly. The operator will preclude releases of oil into open pits. The operator must remove any accumulation of oil, condensate, or contaminant in a pit within 48 hours of discovery.

**d. Authorized Disturbance**

Confine all construction and maintenance activity to the approved authorized area applied for in the application.

**e. Facilities**

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations. Grey-water, sewage, and trash shall be removed from the site and disposed of properly at a state approved facility.

**f. Escape Ramps**

The operator will construct and maintain frac ponds to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in frac ponds. Escape ramps must be installed at every corner of

the frac pond and in the center of each side if that side exceeds 100 feet in length. Escape ramps must be in contact with the side of the frac pond, bottom of the frac pond, and the top of the frac pond berm. Escape ramps cannot be made of metal and cannot be steeper than a 3:1 slope (Horizontal Distance: Vertical Distance) or 30% slope. (*Examples of escape ramps: 12" wide wooden planks wrapped in matting, felt lining, etc.*)

**g. Frac Pond Pipelines**

Temporary pipelines flowing from the frac pond to the target well will be laid along existing roadways unless an exception has been granted by the authorized officer in writing.

**h. Mineral Material from Excavation**

Mineral materials extracted during construction of the frac pond will be stored on-location and/or used for constructing the frac pond.

**i. Frac Pond Liner**

The frac pond will be lined with at least a 20 mil. plastic liner.

**j. Topsoil Stockpile**

The operator shall strip at least the top 6 inches of soil (root zone) from the entire frac pond area and stockpile the topsoil approximately 25 feet outside the bermed perimeter of the pond in a low profile manner, reasonably protected from wind and water erosion. Topsoil shall not be used for constructing the frac pond. The topsoil will be used for final reclamation purposes only.

**k. Frac Pond Fence**

The operator will install and maintain enclosure fencing on all sides of the frac pond to prevent access to public, livestock, and large forms of wildlife. The fence shall be installed at the base of the berm and never on top of the berm.

Construction of the fence shall consist of steel and/or wooden posts set firmly into natural ground. Hog panel or chain-link fencing must be used as the fence and tied securely to the fence posts. Barbed-wire fencing or electric fences shall not be used. The fence height shall not be shorter than six (6) feet. The erected fence shall be maintained in adequate condition until the frac pond is reclaimed.

**l. Frac Pond Netting**

The operator will install and maintain netting across the top of the pond with mesh no larger than 15mm (9/16"), to prevent access to public, livestock, and wildlife, including but not limited to migratory waterfowl.

**m. Erosion Prevention**

Install earthen erosion-control structures as are suitable for the specific terrain and soil conditions.

**n. Reclamation Start**

- I. Reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing wells.
- II. Within 3 months of completion of frac operations on associated wells, all earthwork and final reclamation must be completed. This includes reclaiming and/or removal of:
  - i. Any roads approved for use with the pond
  - ii. Surface water lines
  - iii. Tanks, pumps, fencing etc.

Requirements for Operations and Final Reclamation:

4. If, during any phase of the construction, operation, maintenance, or termination of the frac pond, any pollutant should be released from the contaminated frac pond, the control and total removal, disposal, and cleaning up of such pollutant, wherever found, shall be the responsibility of holder, regardless of fault.

Upon failure of holder to control, dispose of, or clean up such discharge, or to repair all damages resulting there-from, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

6. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

7. After all disturbed areas have been satisfactorily contoured and prepared for seeding the location needs to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact Jim Amos, Supervisor, Environmental Protection – (575)234-5909, **prior** to beginning surface reclamation operations.

8. Seeding is required: Use the following seed mix.

- |   |  |
|---|--|
| <input type="checkbox"/> seed mixture 1         | <input type="checkbox"/> seed mixture 3      |
| <input type="checkbox"/> seed mixture 2         | <input type="checkbox"/> seed mixture 4      |
| <input checked="" type="checkbox"/> LPC mixture | <input type="checkbox"/> Aplomado Falcon mix |