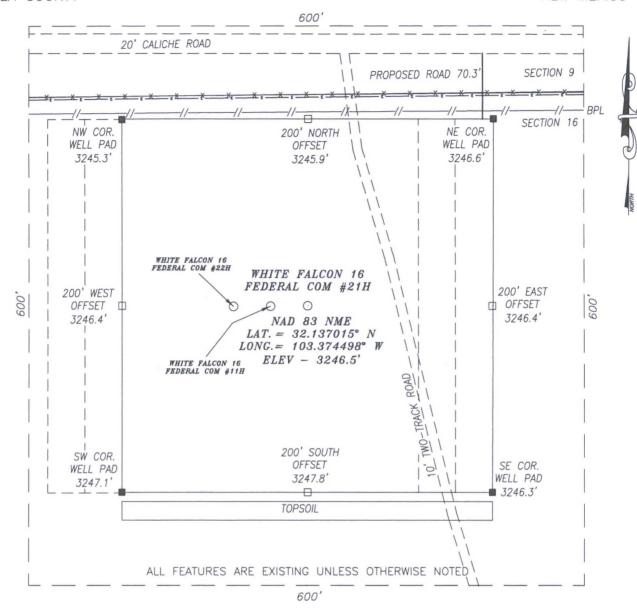


# SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



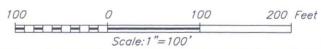
DIRECTIONS TO LOCATION

HEADING EASTERLY ON HIGHWAY 128 TURN RIGHT (SOUTHERLY) APPROX. 0.6 MI. PAST MM 38 AND GO APPROX. 2.3 MI.; THEN TURN LEFT (EASTERLY) AND GO APPROX. 3.0 MI.; THEN TURN RIGHT (SOUTHERLY) AND GO APPROX. 1.0 MI.; THEN TURN RIGHT (WESTERLY) AND GO APPROX. 0.5 MI.; PROPOSED WELL LIES APPROX. 285 FEET LEFT (SOUTH).

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

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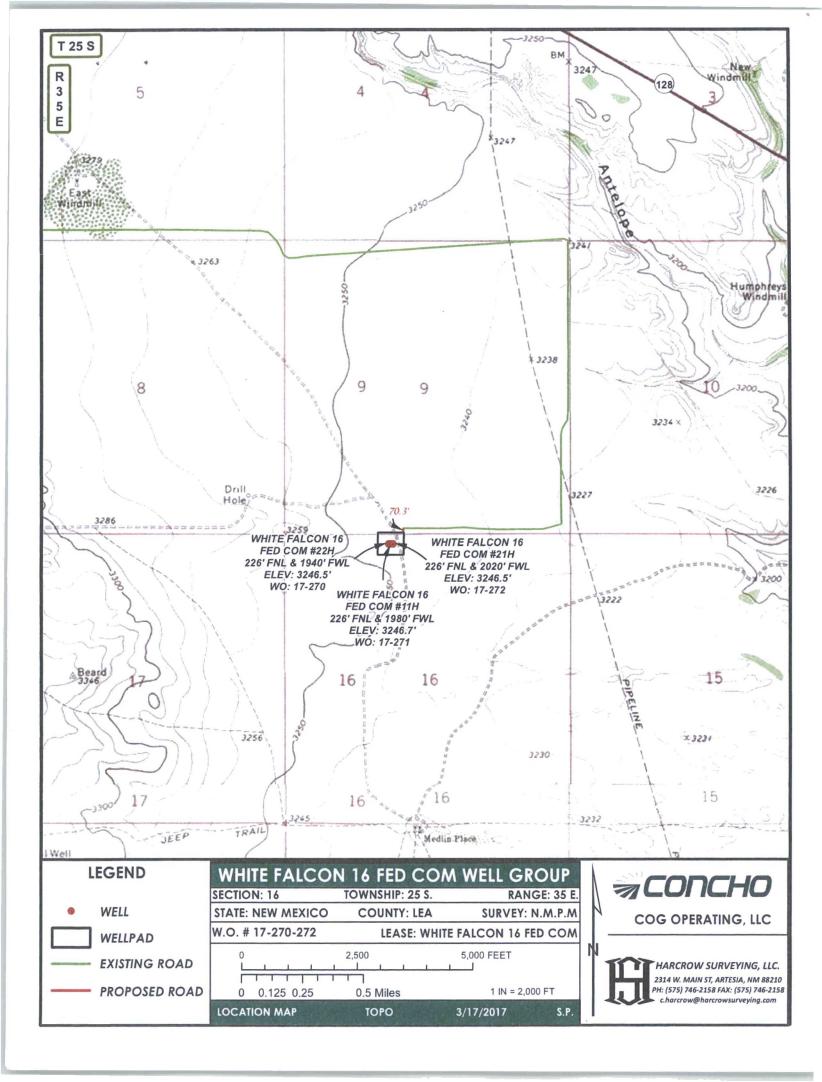


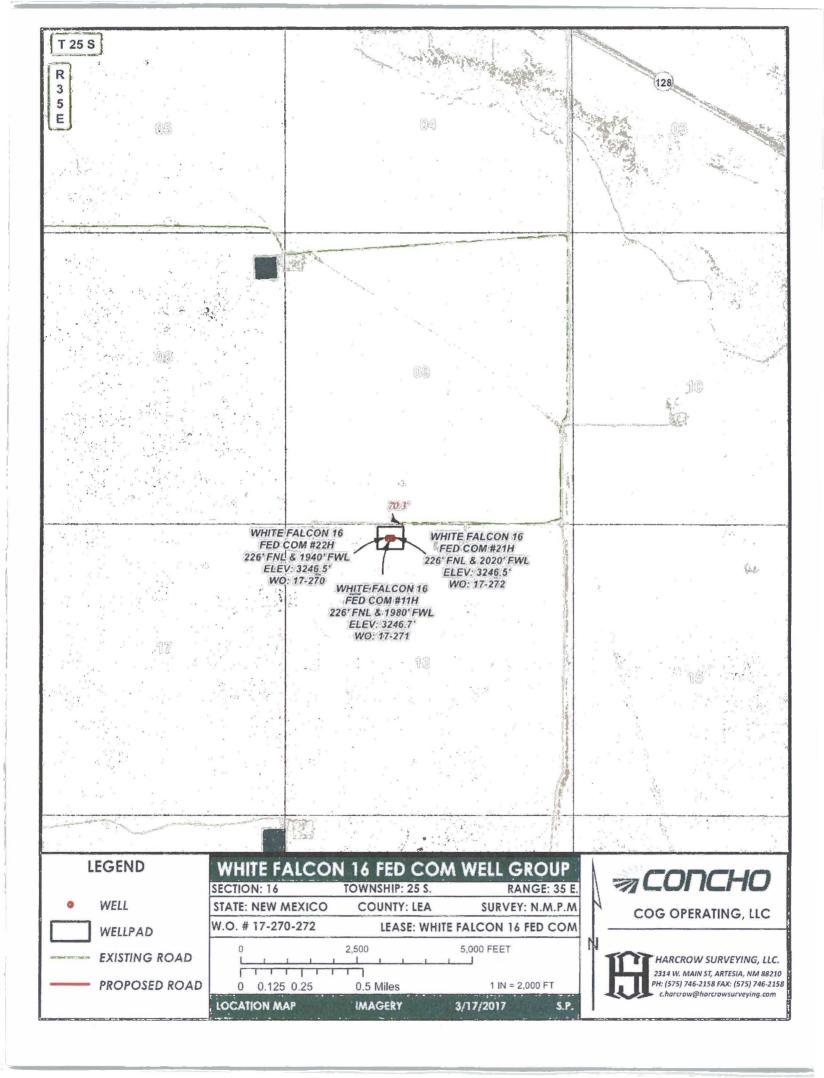


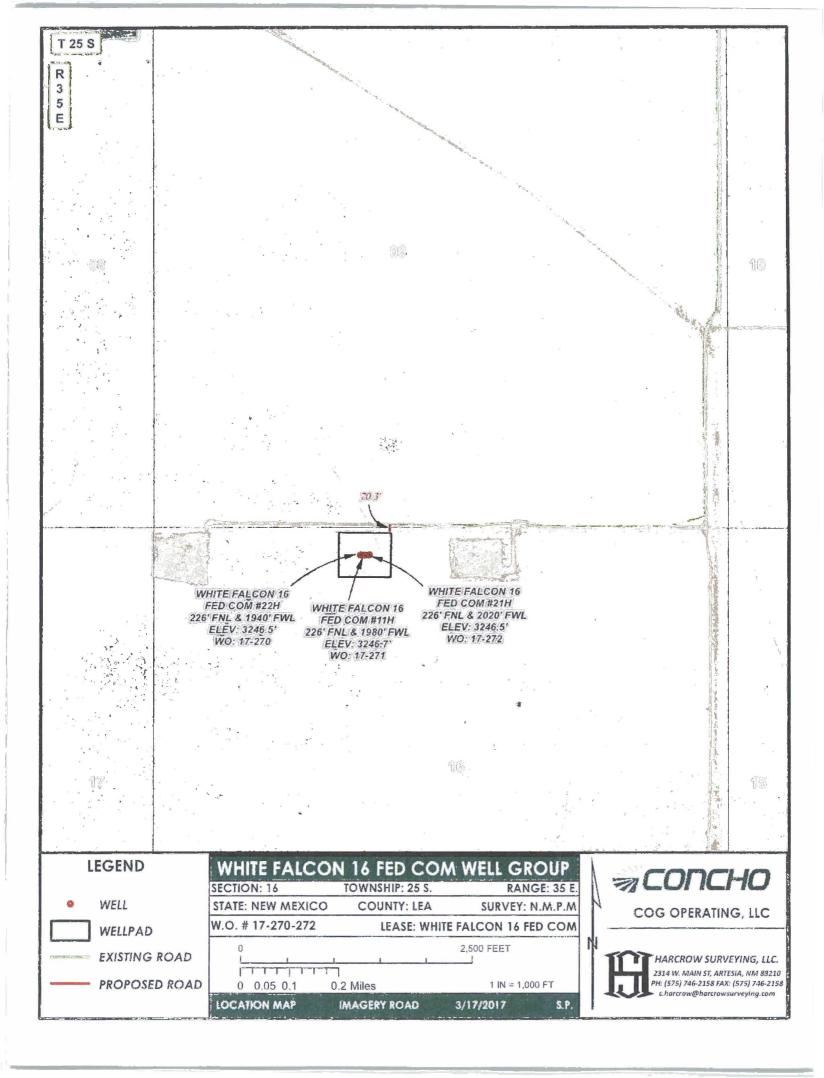
## COG OPERATING, LLC

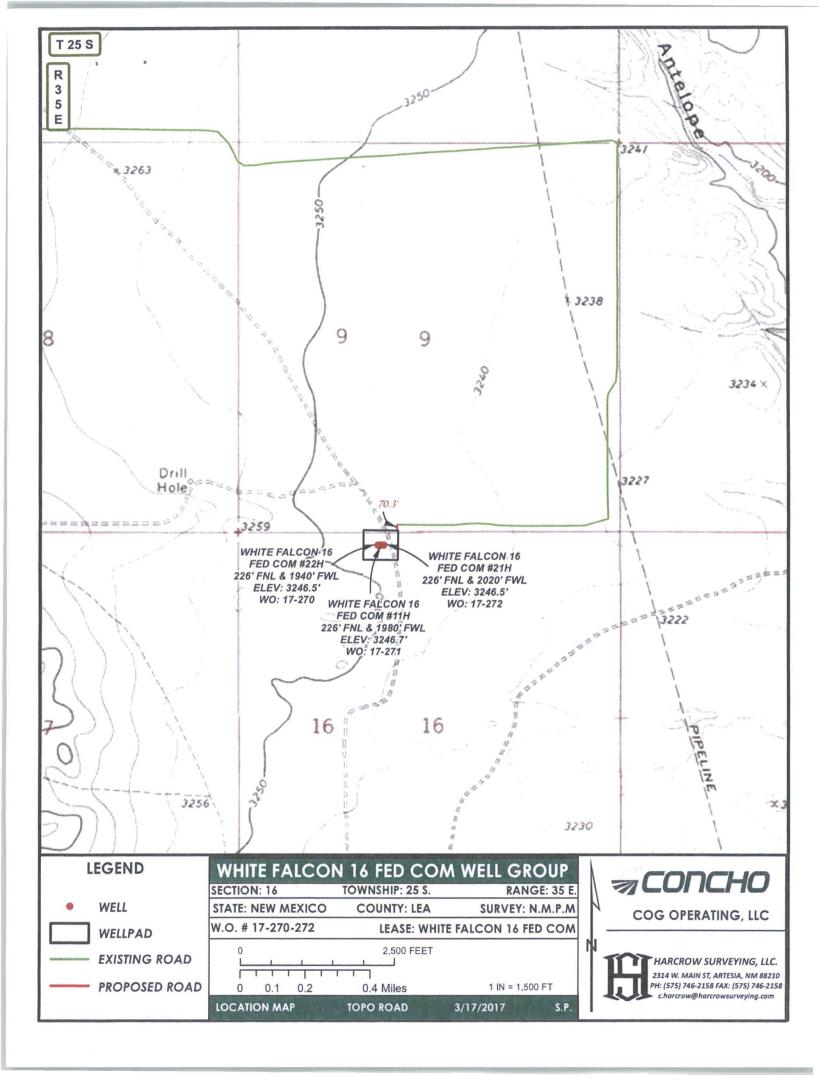
WHITE FALCON 16 FEDERAL COM #21H
LOCATED 226 FEET FROM THE NORTH LINE
AND 2020 FEET FROM THE WEST LINE OF SECTION 16,
TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

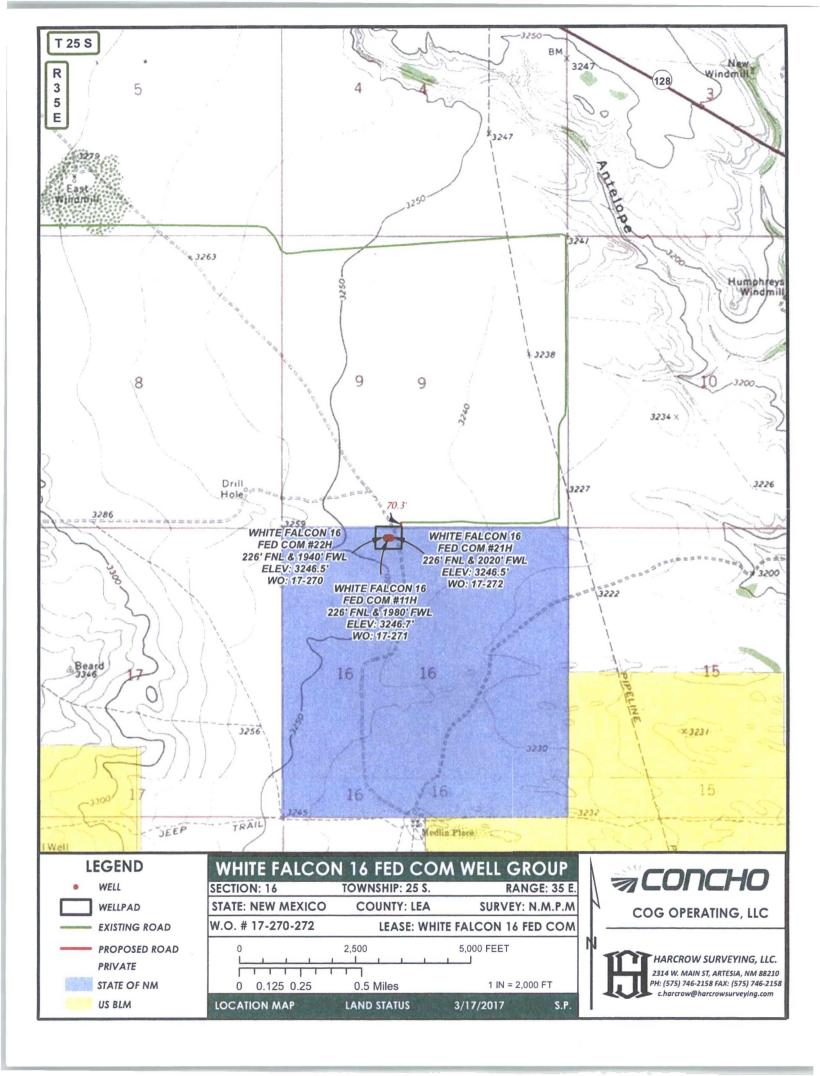
SURVEY DATE: MARCH 8,	2017	T	PAGE:	1	OF	1	_
DRAFTING DATE: MARCH 1	4, 20	17					
APPROVED BY: CH DRAW	N BY:	SA	FILE:	17-	272		

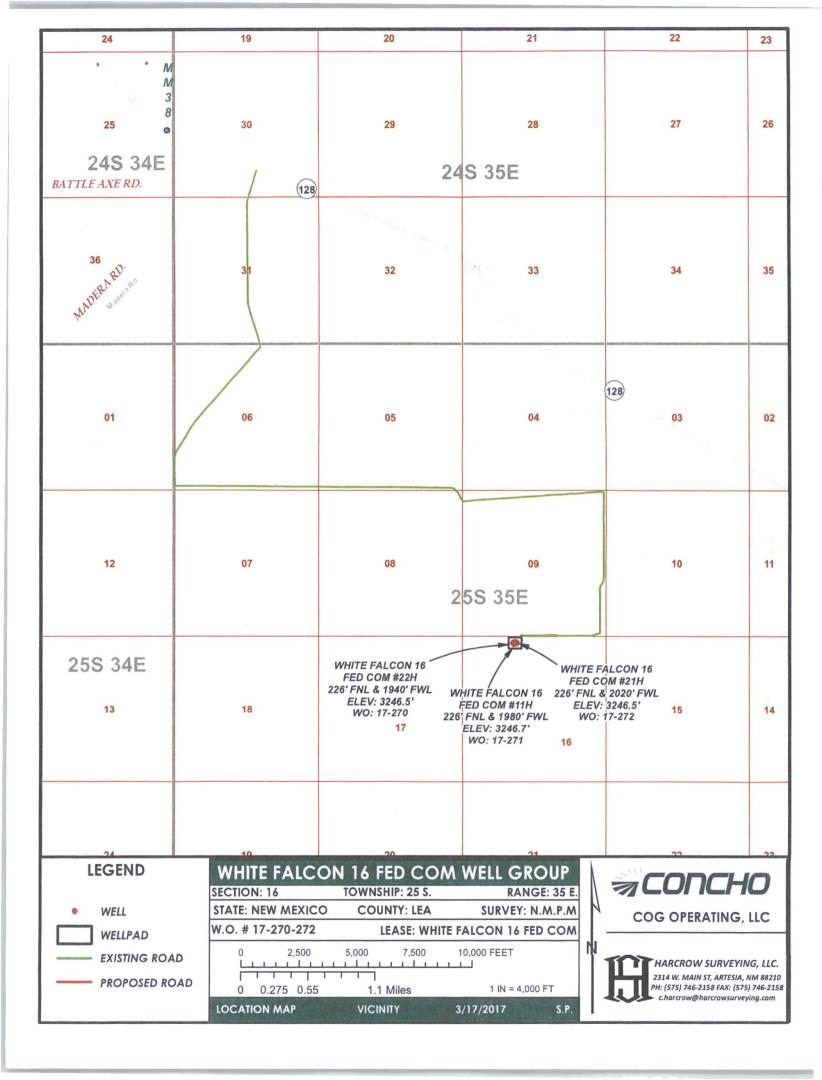


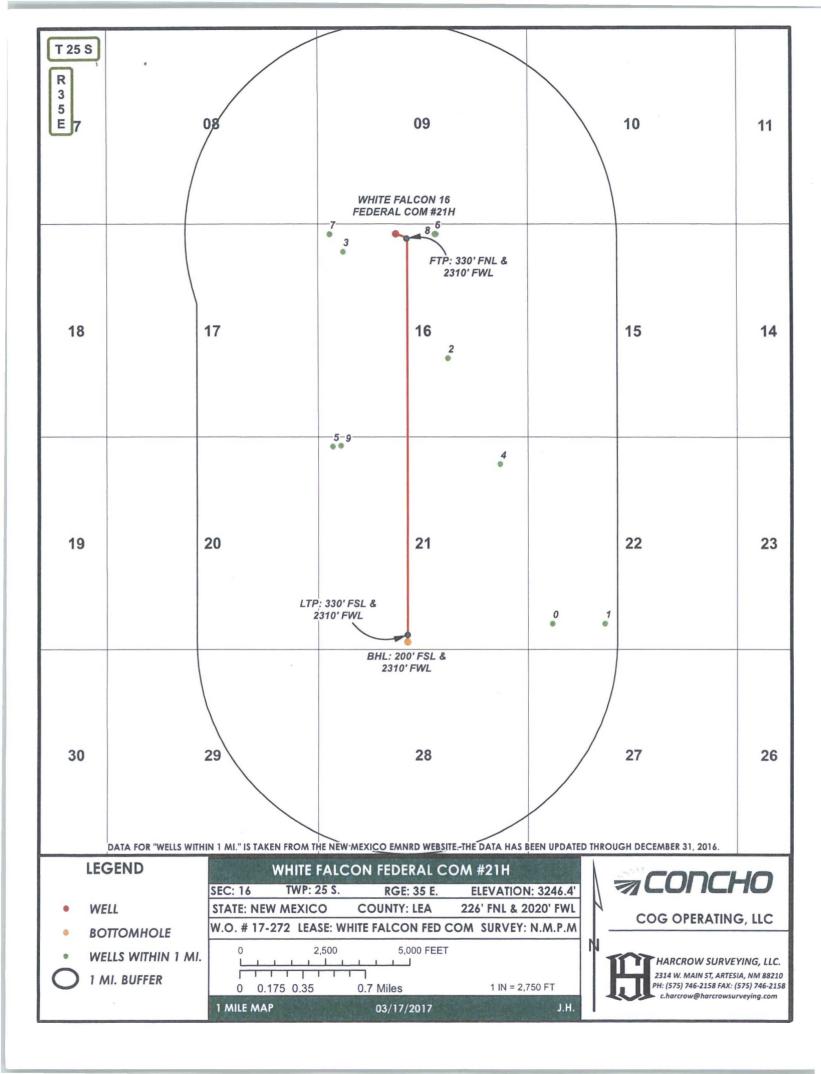






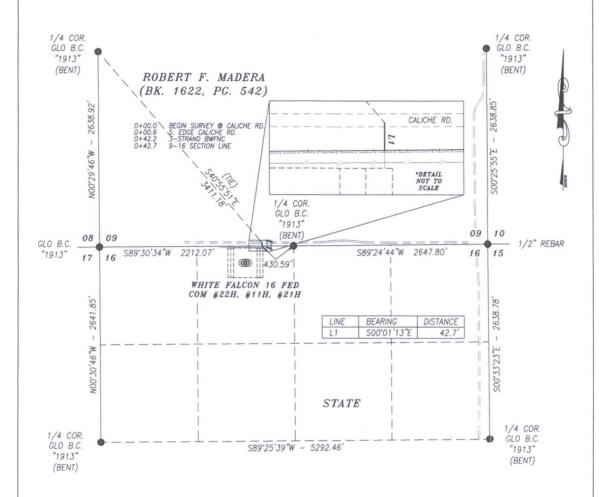






ACCESS ROAD PLAT COG OPERATING, LLC.

AN ACCESS ROAD FROM AN EXISTING CALICHE ROAD TO WHITE FALCON 16 COM WELLPAD IN SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.



#### DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 42.7 FEET OR 2.59 RODS OR 0.008 MILES IN LENGTH CROSSING FEE LAND IN SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 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 SURFACE 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 Harrow N.M.P.S. NO. 177777 DATE

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



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

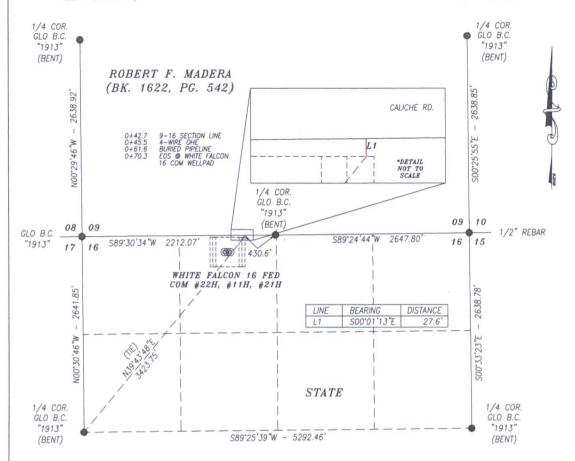
## COG OPERATING, LLC

SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 9, TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM, LEA COUNTY, NEW MEXICO

SURVEY	DATE: M	ARCH 9, 2017	
DRAFTING	DATE: M	MARCH 14, 2017	PAGE 1 OF 2
APPROVED	BY: CH	DRAWN BY: SA	FILE: 17-273

ACCESS ROAD PLAT COG OPERATING, LLC.

AN ACCESS ROAD FROM AN EXISTING CALICHE ROAD TO WHITE FALCON 16 COM WELLPAD IN SECTION 16. TOWNSHIP 25 SOUTH. RANGE 35 EAST, N.M.P.M., LEA COUNTY. NEW MEXICO.



## DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM, LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE NORTH LINE OF SAID SECTION, WHICH LIES S89'30'34"W 430.6 FEET FROM THE NORTH QUARTER CORNER OF SECTION 16; THEN S00°01'13"E 27.6 FEET, TO A POINT IN THE NE/4 NW/4 OF SECTION 16, WHICH LIES N39'43'48"E 3423.75 FEET FROM WEST QUARTER CORNER OF SECTION 16.

SAID STRIP OF LAND BEING 27.6 FEET OR 1.67 RODS IN LENGTH, CONTAINING 0.002 ACRES MORE OR LESS AND BEING ENTIRELY LOCATED WITHIN THE NE/4 NW/4 OF SECTION 16.

## 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 SURFACE 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

HARCA FOR SURVEYING IN NEW MEXICO. MEXIC NEW YEAR 16/17 POFESSIONA CHAD HARCROW N.M.P.S. NO. 17777 DATE

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

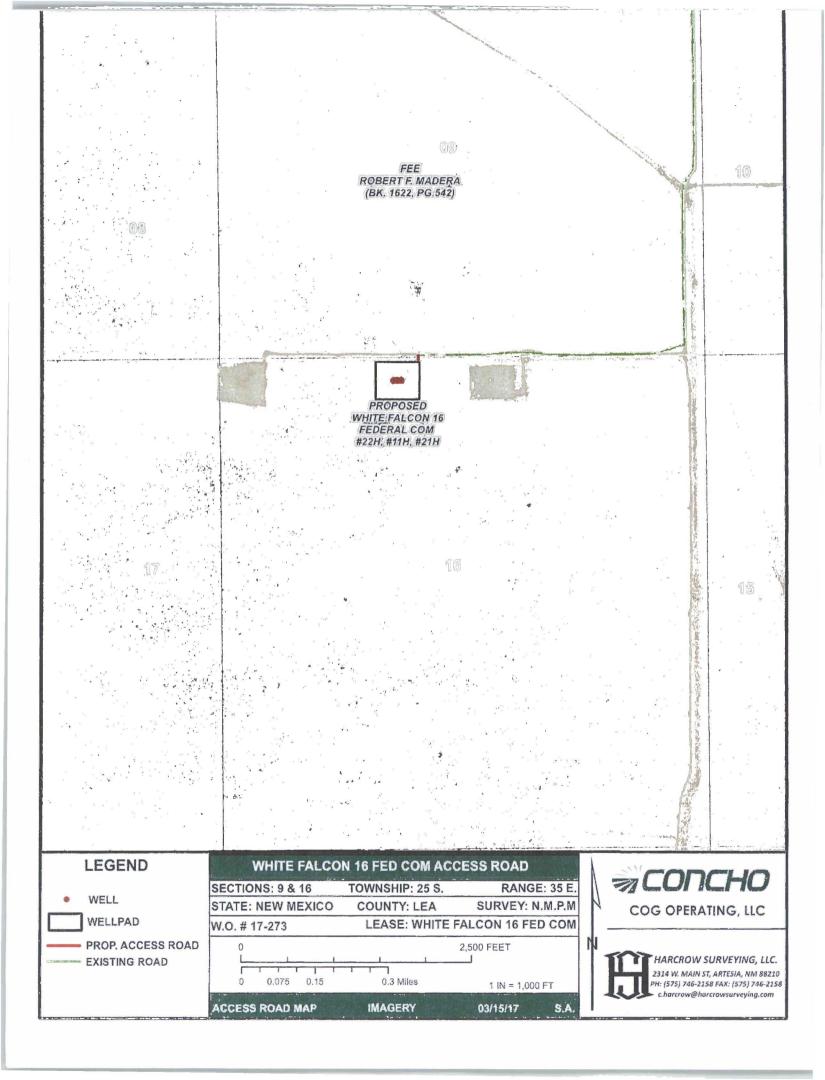


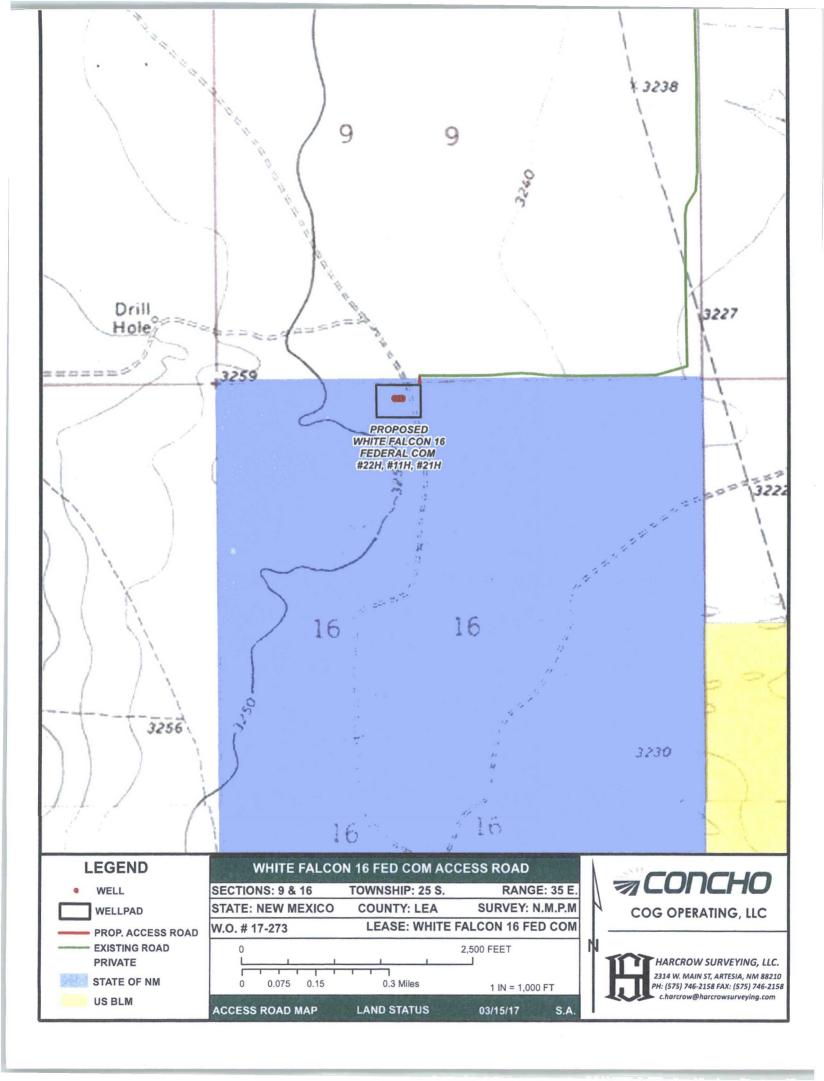
1000	0	1000	2000	FEET
HHH	SCALE:	1"=1000'		

## COG OPERATING, LLC

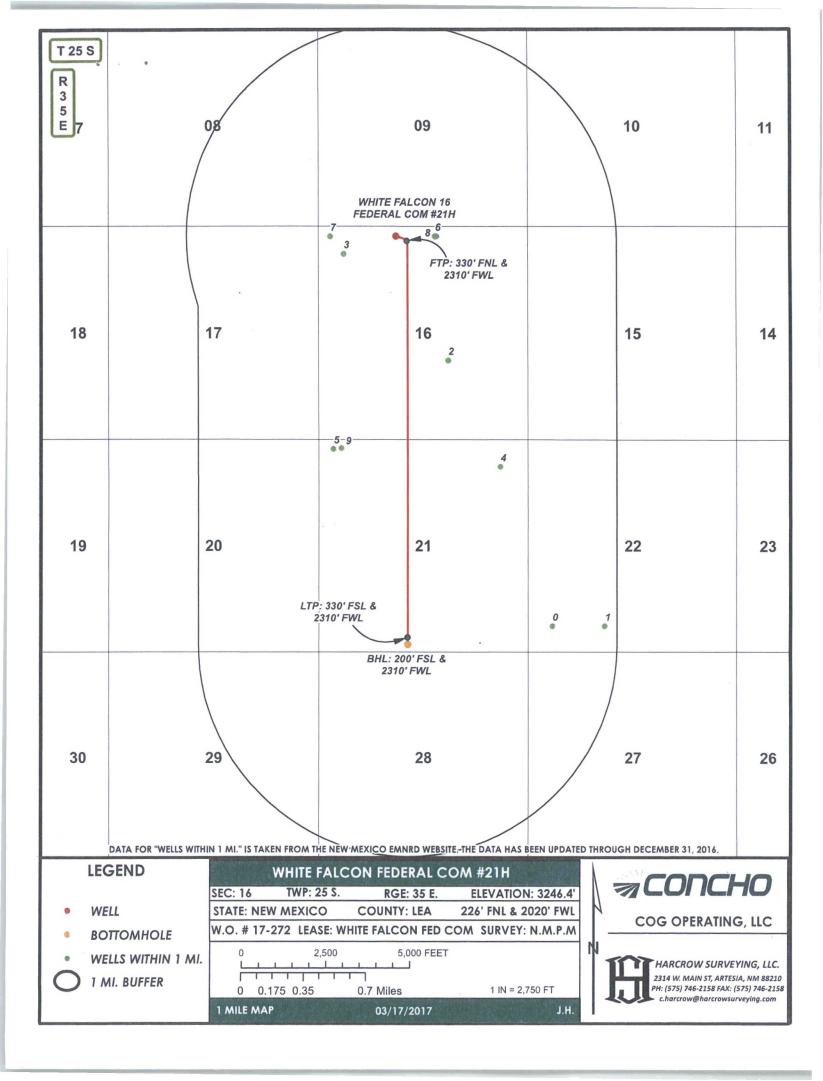
SURVEY OF A PROPOSED ACCESS ROAD LOCATED IN SECTION 16. TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM. LEA COUNTY, NEW MEXICO

SURVEY	DATE: M	ARCH 9, 2017	
		ARCH 14, 2017	
APPROVED	BY: CH	DRAWN BY: SA	FILE: 17-273





13	18	17	CANADA STATE OF THE PARTY OF TH	16	15	14	13
24	19	.,	20	21	22	23	24
24S 34E 25	30	29 M M 3		28	24S 35E 27	. 26	25
36 ADRA ROAD	31	9	32	33	34	35	36
01	06		05	04	03	02	01
12	07		08	09	10	11	12
13 25S 34E	18		47	PROPOSED HITE FALCON 16 FEDERAL COM 22H, #11H, #21H 16	15 S 35E	14	13
24	19		20	21	22	23	24
25	30	29		28	27	26	25
36	31		32	33	34	35	36
WELL WELLPAD WELLPAD PROP. ACCESS ROAD EXISTING ROAD  STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M W.O. # 17-273 LEASE: WHITE FALCON 16 FED COM 12,500 5,000 7,500 10,000 12,500 FEET HARCROW 2314 W. MAIN 2314 W. M						CONCH COG OPERATING, HARCROW SURVEYII 2314 W. MAIN ST, ARTESIA,	NG, LLC. NM 88210
		0 0.3 ACCESS ROAD	0.6 MAP V	原用的自然的对对对形式的	IN = 4,000 FT 5/17 S.A.	PH: (575) 746-2158 FAX: (57: c.harcrow@harcrowsurve	5) 746-2158



WHITE FALCON 16 FEDERAL COM #21H 1 MILE DATA (17-272)

		******	COM TO LEDEN	WE COIN HET!	TIMILE DUILITY	2121			
FID OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION TOWN	ISHIP RANGE	FTG_NS NS_C	D FTG_EW EW_CD	COMPL_STAT
0 SUN OIL CO	ELLIOTT FEDERAL 001	32.11041	-103.361781	3002508686	22 25.0S	35E	660 S	660 W	Plugged
1 CACTUS DRILLING CORP OF TEXAS	ELLIOTT FEDERAL 001	32.110404	-103.357497	3002520429	22 25.0S	35E	660 S	1980 W	Plugged
2 ROBERT E. LANDRETH	RAINBOW 16 STATE COM 001	32.128558	-103.370252	3002539719	16 25.0S	35E	1980 S	1980 E	Plugged
3 ROBERT E. LANDRETH	RAINBOW 16 STATE 002	32.135798	-103.378787	3002539720	16 25.05	35E	660 N	660 W	Plugged
4 ROBERT E. LANDRETH	CACTUS 21 FEDERAL 001	32.121318	-103.366007	3002539756	21 25.05	35E	660 N	660 E	Active
5 COG OPERATING LLC	COACHMAN FEE 004H	32.122529	-103.379617	3002542508	21 25.05	35E	210 N	380 W	New (Not drilled or compl)
6 EOG RESOURCES INC	WHEATFIELD 16 STATE 701H	32.136994	-103.371312	3002542520	16 25.0S	35E	230 N	2300 E	New (Not drilled or compl)
7 ENDURANCE RESOURCES LLC	WHITE FALCON 16 STATE 001H	32.136982	-103.379864	3002542757	16 25.0S	35E	230 N	330 W	New (Not drilled or compl)
8 EOG RESOURCES INC	WHEATFIELD 16 STATE 702H	32.136994	-103.371214	3002542787	16 25.0S	35E	230 N	2270 E	New (Not drilled or compl)
9 COG OPERATING LLC	COACHMAN FEE 014H	32.122582	-103.378967	3002543080	21 25.05	35E	190 N	580 W	New (Not drilled or compl)



COG Operating LLC. 2208 W Main St. Artesia, NM 88210

480'

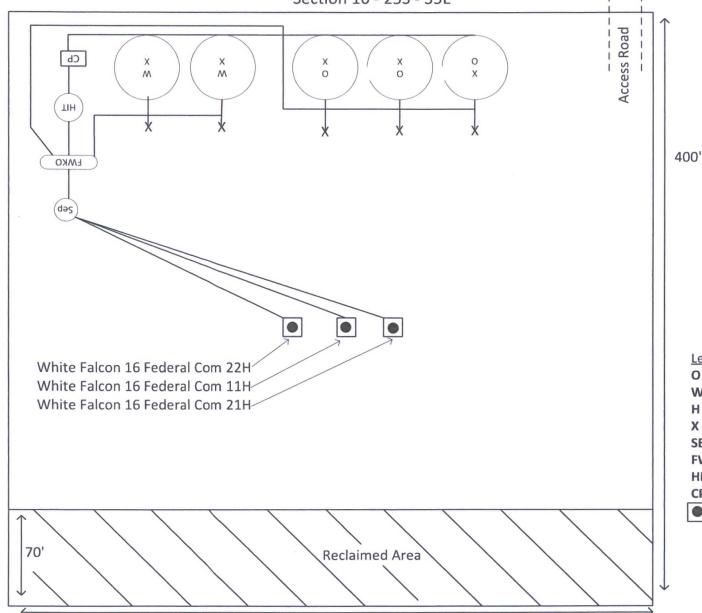
## Well Site Layout

**Production Facility Layout** 

White Falcon 16 Federal Com #21H Section 16 - 25S - 35E

# Exhibit 3

North



Topsoil will be stacked pile on the South side



O = 500 BBL Steel Oil Tank

W = 500 BBL Steel Water Tank

H = 6' x 20' Heater

X = Valve

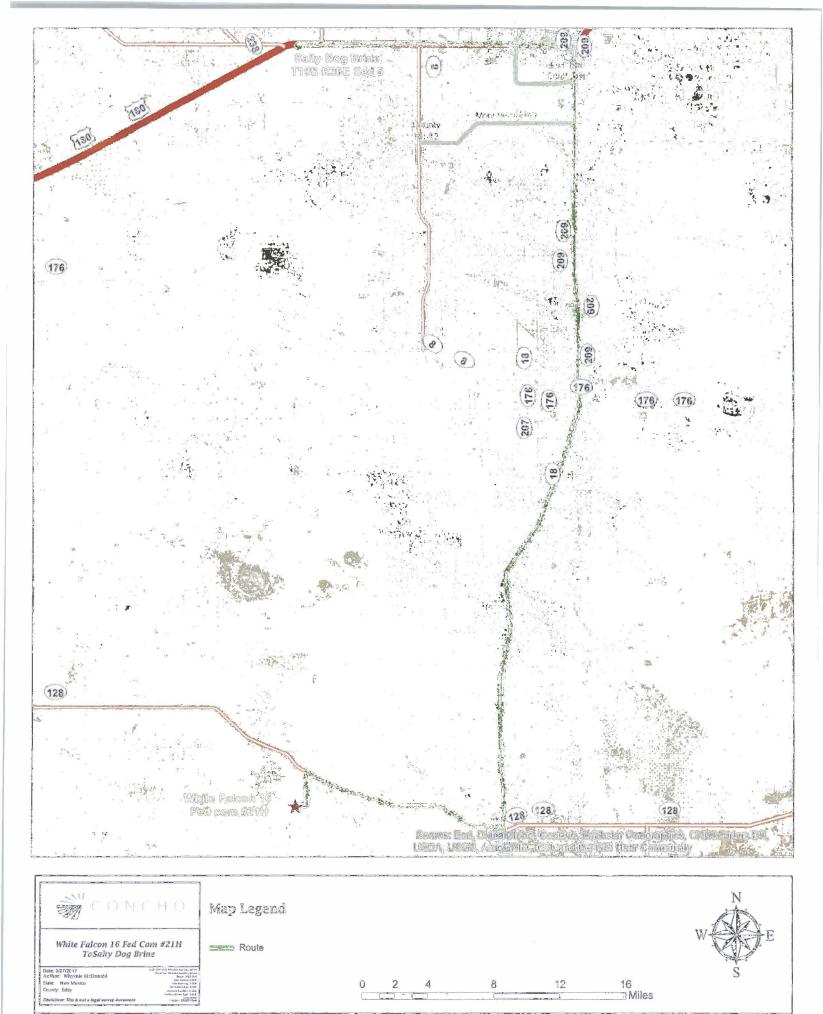
SEP = Separator

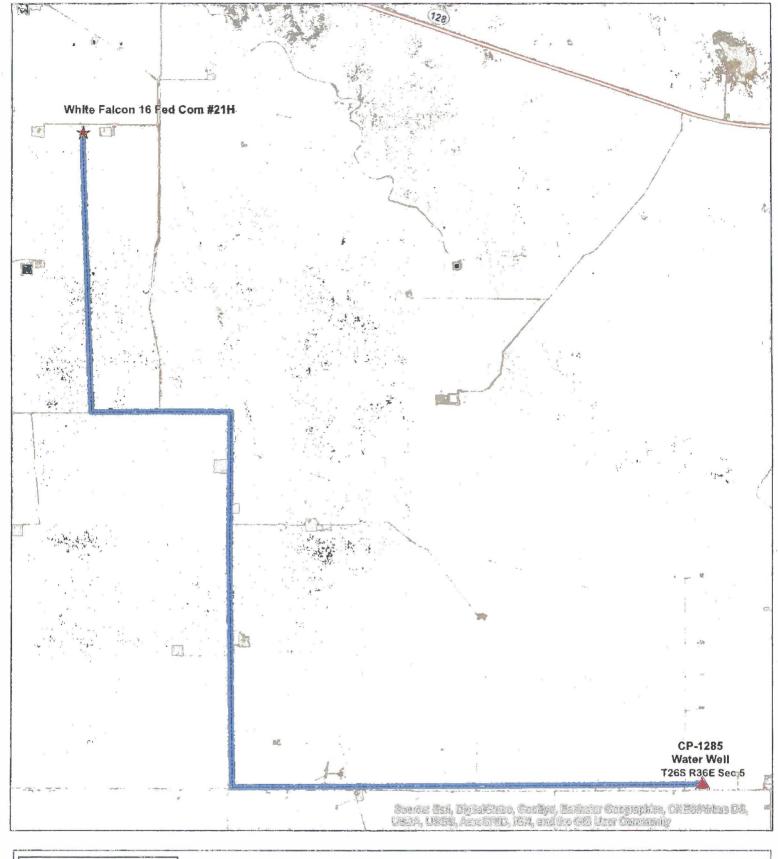
FWKO = Fresh Water Knockout

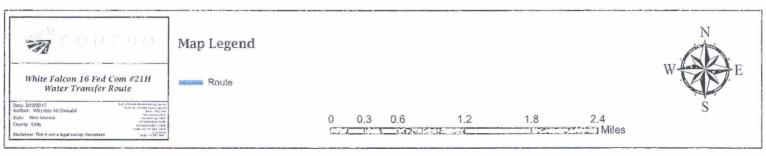
HIT = Heater

**CP** = Control Panel

= Wellhead









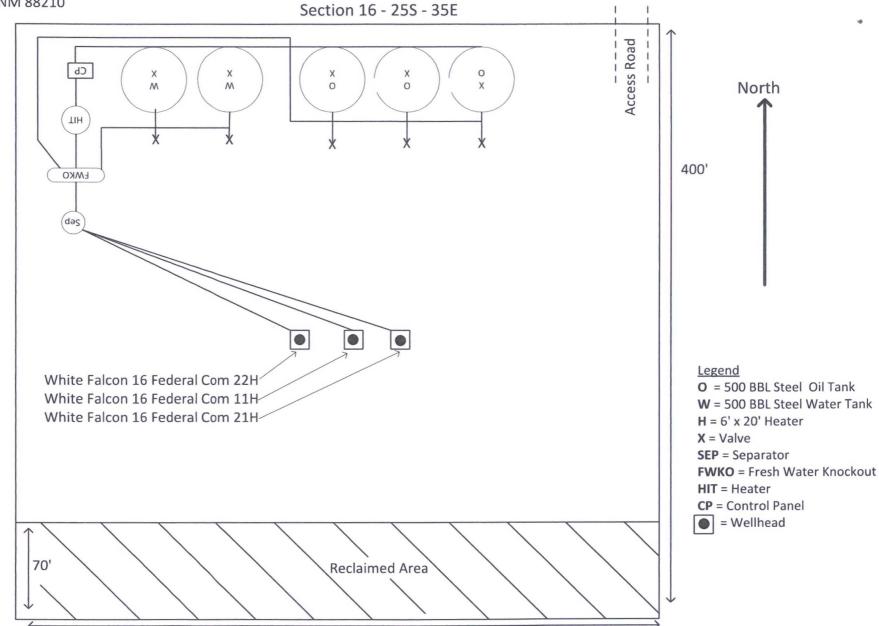
COG Operating LLC. 2208 W Main St. Artesia, NM 88210

480'

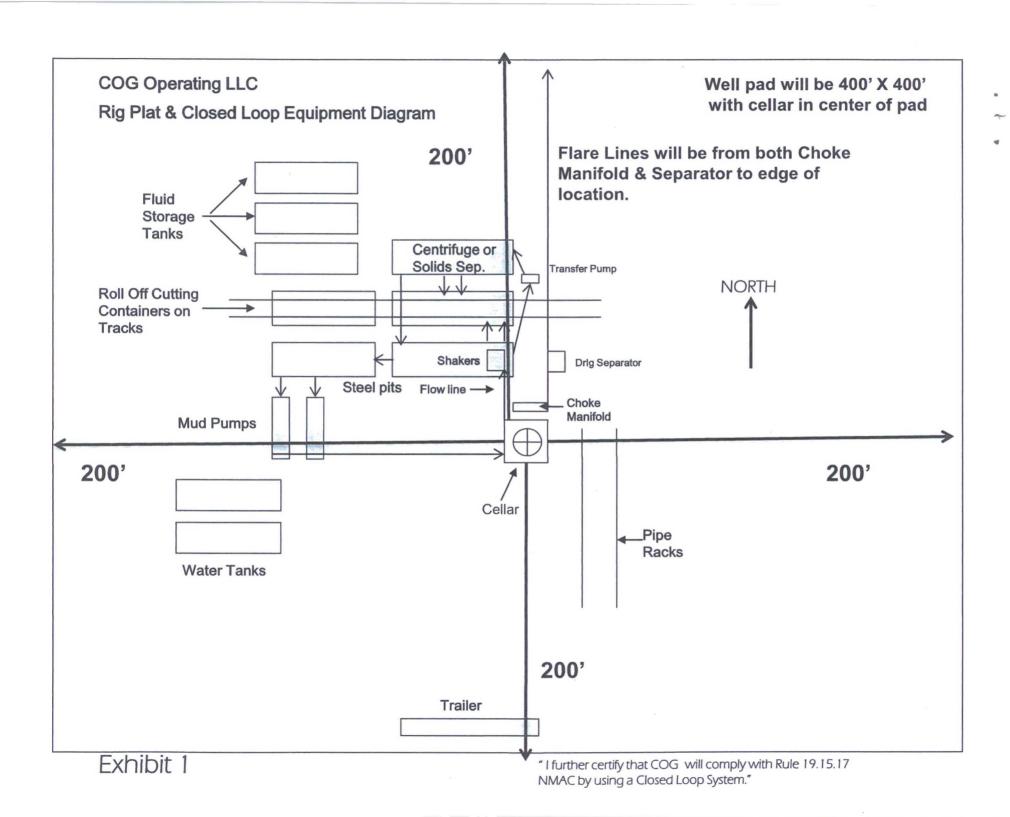
## Well Site Layout

Production Facility Layout
White Falcon 16 Federal Com #21H

# Exhibit 3



Topsoil will be stacked pile on the South side



Surface Use Plan
COG Operating LLC
White Falcon 16 Federal Com #21H
SHL 226' FNL & 2020' FWL

SHL: 226' FNL & 2020' FWL UL C Section 16, T25S, R35E

BHL: 200' FSL & 2310' FWL UL N

Section 21, T25S, R35E Lea County, New Mexico HOBBS OCD

AUG 2 1 2017

RECEIVED

## **OPERATOR CERTIFICATION**

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or COG Operating LLC, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this  $\frac{2}{3} \frac{1}{3}$  day of  $\frac{2}{3} \frac{1}{3}$  day o

Signed: Mate K

Printed Name: Mayte Reyes Position: Regulatory Analyst

Address: 2208 W. Main Street, Artesia, NM 88210

Telephone: (575) 748-6945 E-mail: <a href="mreyes1@concho.com">mreyes1@concho.com</a>

Field Representative (if not above signatory): Rand French Telephone: (575) 748-6940. E-mail: rfrench@concho.com





### Section 1 - General

Would you like to address long-term produced water disposal? NO

## Section 2 - Lined Pits

Produced Water Disposal (PWD) Location:

PWD surface owner:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Would you like to utilize Lined Pit PWD options? NO

Linea pit i vvb discharge volume (bbirday).

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

## Section 3 - Unlined Pits

Injection well mineral owner:

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:	
PWD surface owner:	PWD disturbance (acres):
Unlined pit PWD on or off channel:	
Unlined pit PWD discharge volume (bbl/day):	
Unlined pit specifications:	
Precipitated solids disposal:	
Decribe precipitated solids disposal:	
Precipitated solids disposal permit:	
Unlined pit precipitated solids disposal schedule:	
Unlined pit precipitated solids disposal schedule attachment:	
Unlined pit reclamation description:	
Unlined pit reclamation attachment:	
Unlined pit Monitor description:	
Unlined pit Monitor attachment:	
Do you propose to put the produced water to beneficial use?	
Beneficial use user confirmation:	
Estimated depth of the shallowest aquifer (feet):	
Does the produced water have an annual average Total Disso that of the existing water to be protected?	lved Solids (TDS) concentration equal to or less than
TDS lab results:	
Geologic and hydrologic evidence:	
State authorization:	
Unlined Produced Water Pit Estimated percolation:	
Unlined pit: do you have a reclamation bond for the pit?	
Is the reclamation bond a rider under the BLM bond?	
Unlined pit bond number:	
Unlined pit bond amount:	
Additional bond information attachment:	
Section 4 - Injection	
Would you like to utilize Injection PWD options? NO	
Produced Water Disposal (PWD) Location:	
PWD surface owner:	PWD disturbance (acres):
Injection PWD discharge volume (hhl/day):	

Injection well type: Injection well number: Injection well name: Assigned injection well API number? Injection well API number: Injection well new surface disturbance (acres): Minerals protection information: Mineral protection attachment: **Underground Injection Control (UIC) Permit? UIC Permit attachment:** Section 5 - Surface Discharge Would you like to utilize Surface Discharge PWD options? NO Produced Water Disposal (PWD) Location: PWD surface owner: PWD disturbance (acres): Surface discharge PWD discharge volume (bbl/day): Surface Discharge NPDES Permit? Surface Discharge NPDES Permit attachment: Surface Discharge site facilities information: Surface discharge site facilities map: Section 6 - Other Would you like to utilize Other PWD options? NO Produced Water Disposal (PWD) Location: PWD surface owner: PWD disturbance (acres): Other PWD discharge volume (bbl/day): Other PWD type description: Other PWD type attachment: Have other regulatory requirements been met?

Other regulatory requirements attachment:

## **Bond Information**

Federal/Indian APD: FED

BLM Bond number: NMB000215

**BIA Bond number:** 

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

**BLM** reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: