API NUMBER: 087 22134

Under Federal Jurisdiction: No

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Chlorides Max: 5000 Average: 3000

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Wellhead Protection Area?

Category of Pit: C

Type of Pit System: CLOSED Closed System Means Steel Pits

Is depth to top of ground water greater than 10ft below base of pit? Y

located in a Hydrologically Sensitive Area.

PIT 1 INFORMATION

Oil & Gas

Horizontal Hole

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 05/10/2018
Expiration Date: 11/10/2018

Surface Water used to Drill: Yes

PERMIT NO: 18-34412

PERMIT TO DRILL

OT LOCATION: SE SW	NW NW	FEET FROM QUARTER: FROM SECTION LINES: Well No:	NORTH FROM W 1127 34 0631 1H	EST I4 Well w	rill be 344 feet from nearest unit or lease boundary
Operator EOG RESOU Name:	RCES INC		Telephone: 4052		OTC/OCC Number: 16231 0
EOG RESOURCES IN PO BOX 4362 OKLAHOMA CITY,	С	73112-1483		1105 WEST WAL	ORT AND NORMAN DUFORT .NUT AVENUE
,				DUNCAN	OK 73533
Name	alid for Listed Fo	ormations Only): Depth		Name	Depth
` , ` `	alid for Listed Fo	Depth 9575	6 7	Name	Depth
Name 1 MISSISSIPPIAN	alid for Listed Fo	Depth		Name	Depth
Name 1 MISSISSIPPIAN 2 WOODFORD	alid for Listed Fo	Depth 9575 9680	7	Name	Depth
Name 1 MISSISSIPPIAN 2 WOODFORD 3 HUNTON	alid for Listed Fo	Depth 9575 9680	7 8	Name	Depth
Name 1 MISSISSIPPIAN 2 WOODFORD 3 HUNTON 4	alid for Listed Fo	Depth 9575 9680	7 8 9 10	Name	Depth Increased Density Orders:
Name 1 MISSISSIPPIAN 2 WOODFORD 3 HUNTON 4 5	83 84 87	Depth 9575 9680 9800	7 8 9 10	Name	

Fresh Water Supply Well Drilled: No

Approved Method for disposal of Drilling Fluids:

H. SEE MEMO

D. One time land application -- (REQUIRES PERMIT)

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N
Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 06 Twp 8N Rge 4W County MCCLAIN

Spot Location of End Point: S2 SW SW SW Feet From: SOUTH 1/4 Section Line: 165
Feet From: WEST 1/4 Section Line: 330

Depth of Deviation: 9204 Radius of Turn: 956 Direction: 180

Total Length: 8821

Measured Total Depth: 19527

True Vertical Depth: 9800

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category Description

DEEP SURFACE CASING 5/3/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF

CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 5/3/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE:

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE

"FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

MEMO 5/3/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST: PIT 1 -

WBM & CUTTINGS TO BE SOIL FARMED; PIT 2 - OBM CUTTINGS TO R360 (ORDER # 587498) OR DEQ APPROVED FACILITY (SOUTHERN PLAINS LANDFILL, 3-5N-6W, GRADY CO., #

3526013), OBM TO VENDOR

PENDING CD - 201803083 5/7/2018 - G58 - (640)(HOR) 6-8N-4W

VAC 143514/175579 HNTN EXT 666740 MSSP, WDFD, HNTN

COMPL. INT. (MSSP, HNTN) NCT 660' FB

COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

REC 5/7/2018 (NORRIS)

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

087 22134 DUFORT 0631 1H

Category Description

PENDING CD - 201803084 5/7/2018 - G58 - (640)(HOR) 31-9N-4W

VAC 143514 HNTN

EST MSSP, WDFD, HNTN

COMPL. INT. (MSSP, HNTN) NCT 660' FB

COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

REC 5/7/2018 (NORRIS)

PENDING CD - 201803087 5/7/2018 - G58 - (I.O.) 6-8N-4W & 31-9N-4W

EST MULTIUNIT HORIZONTAL WELL X201803083 MSSP, WDFD, HNTN (6-8N-4W) X201803084 MSSP, WDFD, HNTN (31-9N-4W)

(MSSP & HNTN ARE ADJACENT COMMON SOURCE OF SUPPLY TO WDFD)

50% 6-8N-4W 50% 31-9N-4W NO OP. NAMED

REC 5/7/2018 (NORRIS)

PENDING CD - 201803089 5/7/2018 - G58 - (I.O.) 6-8N-4W & 31-9N-4W

X201803083 MSSP, WDFD, HNTN (6-8N-4W) X201803084 MSSP, WDFD, HNTN (31-9N-4W)

COMPL. INT. (6-8N-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (31-9N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL

NO OP. NAMED REC 5/7/2018 (NORRIS)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA
13800 WIRELESS WAY, OKLA CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS 087-22134 _ County, Oklahoma: 1127'FNL-344'FWL Section 31 ___Township 9N Range 4W I.M. X 2103884 Y 886147 X 2101037 Y 686136 LANDING POINT/LAST TAKE POINT, BOTTOM HOLE/FRIST TAKE FOINT, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. LOT 1 E/2-NW/4 ROPOSED ANDING POINT ANDING POINT 1525 FNL -366 N 3512 506 N 35214 055035 37.685295061 37.685295061 37.685295061 37.684588 NORMAN SPUR TURNPIKE GRID

NAD-27

OK SOUTH

US- FEET

Scale:

1." = 1000' Range Line P 1516 L07 2 CUIDE MERIDIAN 1000 X. 2098413 Y 683478 X 2103699 Y 683503 Best Accessibility to Location <u>From West off county road</u>
Distance & Direction
Troim Hwy Jet or Town <u>From the junction of US Hwy 62 & St. Hwy 130 in Newcostley Oklahoma.</u>
South on US Hwy 62, then ± 4 miles West to the Northwest Corner of Section 31, T9N-R4W. Operator: EOG RESOURCES, Lease Name: DUFORT 0631 1 Good Drill Site? Tapagraphy & Vegetalian Location WE57 H 1 and an 11 LOT 3 [-11 11 T 79N-RAW 10 Ĥ 11]]] 2 111 ; i LOT 4 1 NO 111 X 2101068 Y 680850 2098422 680936 STANDARD PARALLET NORTH ā 19N-84W 5 TBN-R4W X 2098557 Y 680836 X 2103764 Y 680856 gruss posture with Reference Stakes or Stakes Set Name ♦ LOT 3 LOT 1 LOT 2 LOT 4 1 trees $\{ \}$ gange We! 11 Alternate GUIDE MERIDIAN č SE/4-NW/4 LOT 5 line P S/2-NE/4 Ī Location WES? 6 X 2103770 Y 678285 X 2098572 Y 678255 ELEVATION: 1299' Gr. at TBN-RAW Н H LOT 6 11 Н 11 11 11 11 Π H 11 E/2-SW/411 Stake ge 307 / 11 BOTTOM HOLE/ BOST TAKE POIN 185'FSL-330'FW 35'11'23.3' N 97'40'08.4" W 35.189819298' N 97'669004992' N X: 2098905 Y: 675777 И Ħ 100 Н No. of Street miles Ĭ. 1 1 X 2103778 Y 675641 X: 2098575 Y: 675610 ||1 X 2101129 Y 675625 THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PLECESS ONLY Date of Drawing: May 1, 2018 510NA/ Invoice # 293495 Date Stoked: Apr. 23, 2018 DATUM: NAD-27 NΒ LAT: 35'12'54.5" N LONG: 97'40'09.9" W CERTIFICATE: information of with a GPS if LAT: 35.215147902 N THOMAS L Thomos L. Howell i, <u>Thomas L. Howell</u> an Oklahama Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahama, do hereby certify to the LONG: 97.669414501° W HOWELL STATE PLANE COORDINATES (US FEET): 1433 information shown herein. 5-2-1 ZONE: OK SOUTH home OKLAHOMA T I. Novem 2098752 Oklahoma Lic. No. <u>1433</u> 684996