BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING AUGUST 8, 2018

CASE NOS. 15090

ARABIAN 6 FEE 10H WELL

EDDY COUNTY, NEW MEXICO



COG OPERATING LLC

Arabian 6 Fee 6H &
Arabian 6 Fee 10H
Eddy County, New Mexico





STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC, TO RE-OPEN CASE NO. 15090 TO POOL THE INTERESTS OF ADDITIONAL MINERAL OWNERS UNDER THE TERMS OF COMPULSORY POOLING ORDER R-13808, EDDY COUNTY, NEW MEXICO.

CASE NO. 15090 (re-opened)

AFFIDAVIT OF STUART DIRKS

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Stuart Dirks, being first duly sworn on oath, states as follows:

- 1. My name is Stuart Dirks. I reside in Midland County, Texas. I am a Landman employed by COG Operating LLC ("COG"). I am familiar with the status of the lands in W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM in Eddy County, New Mexico. I have previously been qualified as an expert witness in petroleum land matters in front of the Oil Conservation Division.
- 2. Division Order R-13808, entered on March 11, 2014, created a 160-acre non-standard spacing and proration unit consisting of the W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM in Eddy County, New Mexico. This order further pooled the uncommitted interests in the Atoka: Glorieta-Yeso Pool (Pool Code 3250) underlying said acreage (the "Unit") and dedicated the Unit to the Arabian 6 Fee No. 10H Well (API No. 30-015-42004), which was drilled from a surface location 150 feet from the South line and 210 feet from the West line (Lot 4) of Section 31, to a standard bottomhole location 359 feet from the South line and 495 feet from the West line (Lot 7) of Section 6. Attachment A to this affidavit is a copy of Order R-13808. Attachment B to this affidavit is a C-102 for the well.
- 3. On October 5, 2016, Case No. 15090 was re-opened to pool the interest of mineral interest owners due to the expiration of a lease and the termination of a Joint Operating Agreement. Division Order R-13808-A pooled the interest of said mineral interest owners. Attachment C to this affidavit is a copy of Order R-13808-A.
- 4. The Arabian 6 Fee No. 10H Well was shut in on May 4, 2015. Because the well was shut in, multiple leases expired and a joint operating agreement terminated. Accordingly, since the entry of Order R-13808-A, multiple additional interest owners

¹ The spacing unit is comprised of irregular units, and is therefore approximately 148.64 acres.

are no longer committed to the Arabian 6 Fee No. 10H Well due to a lease expiration issue and termination of a Joint Operating Agreement that occurred after the entry of Order R-13808-A.

- 5. Attachment D lists the nature and percentage of the interest owners to be pooled. In addition, Attachment D shows the interest pooled pursuant to the prior orders.
- 6. COG has undertaken good faith efforts to locate and gain voluntary participation for the development of the Unit from the interest owners that it seeks to pool. As reflected on Attachment D, COG has reached a verbal agreement with all but one interest owner.
 - A. Lease offers and well proposals were sent to the unleased mineral interest owners that COG seeks to pool on May 24, 2018. A copy of this letter is included as **Attachment E**.
 - B. Requests to Term Assign were sent to the working interest owners that COG seeks to pool on May 24, 2018. A copy of this letter is included as **Attachment F.**
 - C. COG has conducted a diligent search of the county records of Eddy County, as well as conducting searches and computer searches of phone directories. All parties that COG seeks to pool are locatable.
 - D. COG seeks to pool the interests of one estate. For this estate, COG has identified and is attempting to lease the known heir. The heir has also been provided notice of this hearing.
 - E. Notice of this application and hearing has been provided to the additional interest owners subject to pooling in compliance with Division rules.
- 7. Attachment G is an affidavit and letter from my attorney at Holland & Hart providing notice of this hearing to the parties that COG seeks to pool.
- 8. For these reasons, COG respectfully requests that the additional uncommitted interest owners be pooled pursuant to the terms of Order R-13808.

FURTHER AFFIANT SAYETH NOT.

SUBSCRIBED AND SWORN before me on this 81H day of Myust, 2018.

Putting Domith

My Commission Expires:

8-10-2021



STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 15090 ORDER NO. R-13808

APPLICATION OF COG OPERATING, LLC FOR A NON-STANDARD SPACING AND PRORATION UNIT AND COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on February 20, 2014, at Santa Fe, New Mexico, before Examiner Richard I. Ezeanyim.

NOW, on this 11th day of March, 2014, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT:

- (1) Due public notice has been given, and the Division has jurisdiction of this case and of the subject matter.
- (2) COG Operating, LLC ("COG Operating" or "Applicant") seeks approval of a non-standard 160-acre, more or less, oil spacing and proration unit (project area) in the Yeso formation, Atoka-Glorieta-Yeso Pool (pool code 3250), comprised of the W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM, in Eddy County, New Mexico. Applicant further seeks an order pooling all uncommitted interests in the Unit.
- (3) The Unit will be dedicated to the Applicant's Arabian 6 Fee Well No. 10H ("the proposed well"); (API No. 30-015-42004), a horizontal well to be drilled from a surface location 150 feet from the South line and 210 feet from the West line, Unit M "lot 4" of Section 31, Township 18 South, Range 26 East to a standard terminus 330 feet from the South line and 530 feet from the West line, Unit M "lot 7" of Section 6, Township 19 South, Range 26 East. The completed interval of the proposed well in the Yeso formation will be orthodox.

Santa Fe, New Mexico
Exhibit No. A
Submitted by: CONCHO COG OPER.
Hearing Date: August 8, 2018
Case Nos. 15090

- (4) The proposed well is within the Atoka-Glorieta-Yeso Pool (pool code 3250). Spacing in this pool is governed by statewide Rule 19.15.15.9A. NMAC, which provides for standard 40-acre units, each comprising a governmental quarter-quarter section. The proposed Unit and project area consists of four adjacent quarter-quarter sections.
- (5) Applicant appeared at the hearing through counsel and presented land and geologic evidence to the effect that:
 - (a) The Yeso formation in this area is suitable for development by horizontal drilling;
 - (b) the proposed orientation of the horizontal well North to South or South to North is appropriate for the proposed Unit; and
 - (c) all quarter-quarter sections to be included in the Unit are expected to be productive in the Yeso formation, so that formation of the Unit as requested will not impair correlative rights.
- (6) No other party appeared at the hearing, or otherwise opposed the granting of this application.

The Division concludes that:

- (7) Approval of the proposed unit will enable Applicant to drill a horizontal well that will efficiently produce the reserves underlying the Unit, thereby preventing waste, and will not impair correlative rights.
- (8) Two or more separately owned tracts are embraced within the Unit, and/or there are royalty interests and/or undivided interests in oil and gas minerals in one or more tracts included in the Unit that are separately owned.
- (9) Applicant is owner of an oil and gas working interest within the Unit. Applicant has the right to drill and proposes to drill the proposed well to a common source of supply within the Unit.
- (10) There are interest owners in the Unit that have not agreed to pool their interests.
- (11) To avoid the drilling of unnecessary wells, protect correlative rights, prevent waste and afford to the owner of each interest in the Unit the opportunity to recover or receive without unnecessary expense its just and fair share of hydrocarbons, this application should be approved by pooling all uncommitted interests, whatever they may be, in the oil and gas within the Unit.
 - (12) COG Operating, LLC should be designated the operator of the proposed

well and of the Unit.

- (13) Any pooled working interest owner who does not pay its share of estimated well costs should have withheld from production its share of reasonable well costs, plus an additional 200% thereof as a reasonable charge for the risk involved in drilling the proposed well.
- (14) Reasonable charges for supervision (combined fixed rates) should be fixed at \$5,450 per month while drilling and \$545 per month while producing, provided that these rates should be adjusted annually pursuant to Section III.1.A.3. of the COPAS form titled "Accounting Procedure-Joint Operations."

IT IS THEREFORE ORDERED THAT:

- (1) A non-standard 160-acre, more or less, oil spacing and proration unit (the "Unit") is hereby established for the Yeso formation, the Atoka-Glorieta-Yeso Pool (pool code 3250), consisting of the W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM, in Eddy County, New Mexico.
- (2) Pursuant to the application of COG Operating, LLC, all uncommitted interests, whatever they may be, in the oil and gas in the Yeso formation underlying the Unit, are hereby pooled.
- (3) The Unit shall be dedicated to the Applicant's Arabian 6 Fee Well No. 10H ("the proposed well"); (API No. 30-015-42004), a horizontal well to be drilled from a surface location 150 feet from the South line and 210 feet from the West line, Unit M "lot 4" of Section 31, Township 18 South, Range 26 East to a standard terminus 330 feet from the South line and 530 feet from the West line, Unit M "lot 7" of Section 6, Township 19 South, Range 26 East. The completed interval of the proposed well in the Yeso formation will be orthodox.
- (4) The operator of the Unit shall commence drilling the proposed well on or before March 31, 2015, and shall thereafter continue drilling the proposed well with due diligence to test the Yeso formation.
- (5) In the event the operator does not commence drilling the proposed well on or before March 31, 2015, Ordering Paragraphs (1) and (2) shall be of no effect, unless the operator obtains a time extension from the Division Director for good cause demonstrated by satisfactory evidence.
- (6) Should the proposed well not be drilled and completed within 120 days after commencement thereof, then Ordering Paragraphs (1) and (2) shall be of no further effect, and the unit and project area created by this order shall terminate, unless the operator appears before the Division Director and obtains an extension of the time for completion of the proposed well for good cause shown by satisfactory evidence. If the proposed well is not completed in all of the quarter-quarter sections included in the

proposed Unit within 120 days after commencement of drilling, then the operator shall apply to the Division for an amendment to this Order to contract the Unit so that it includes only those quarter-quarter sections in which the well is completed.

- (7) Upon final plugging and abandonment of the proposed well and any other well drilled on the Unit pursuant to Division Rule 19.15.13.9 NMAC, the pooled Unit created by this Order shall terminate, unless this Order has been amended to authorize further operations.
- (8) COG Operating, LLC (OGRID 229137) is hereby designated the operator of the well and the Unit.
- (9) After pooling, uncommitted working interest owners are referred to as pooled working interest owners. ("Pooled working interest owners" are owners of working interests in the Unit, including unleased mineral interests, who are not parties to an operating agreement governing the Unit.) After the effective date of this order, the operator shall furnish the Division and each known pooled working interest owner in the Unit an itemized schedule of estimated costs of drilling, completing and equipping the proposed well ("well costs").
- (10) Within 30 days from the date the schedule of estimated well costs is furnished, any pooled working interest owner shall have the right to pay its share of estimated well costs to the operator in lieu of paying its share of reasonable well costs out of production as hereinafter provided, and any such owner who pays its share of estimated well costs as provided above shall remain liable for operating costs but shall not be liable for risk charges. Pooled working interest owners who elect not to pay their share of estimated well costs as provided in this paragraph shall thereafter be referred to as "non-consenting working interest owners."
- (11) The operator shall furnish the Division and each known pooled working interest owner (including non-consenting working interest owners) an itemized schedule of actual well costs within 90 days following completion of the proposed well. If no objection to the actual well costs is received by the Division, and the Division has not objected, within 45 days following receipt of the schedule, the actual well costs shall be deemed to be the reasonable well costs. If there is an objection to actual well costs within the 45-day period, the Division will determine reasonable well costs after public notice and hearing.
- (12) Within 60 days following determination of reasonable well costs, any pooled working interest owner who has paid its share of estimated costs in advance as provided above shall pay to the operator its share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator the amount, if any, that the estimated well costs it has paid exceed its share of reasonable well costs.
- (13) The operator is hereby authorized to withhold the following costs and charges from production from each well:

- the proportionate share of reasonable well costs attributable to each non-consenting working interest owner; and
- (b) as a charge for the risk involved in drilling the well, 200% of the above costs.
- (14) The operator shall distribute the costs and charges withheld from production, proportionately, to the parties who advanced the well costs.
- (15) Reasonable charges for supervision (combined fixed rates) for the well are hereby fixed at \$5,450 per month while drilling and \$545 per month while producing, provided that these rates shall be adjusted annually pursuant to Section III.1.A.3. of the COPAS form titled "Accounting Procedure-Joint Operations." The operator is authorized to withhold from production the proportionate share of both the supervision charges and the actual expenditures required for operating the well, not in excess of what are reasonable, attributable to pooled working interest owners.
- (16) Except as provided in Paragraphs (13) and (15) above, all proceeds from production from the proposed well that are not disbursed for any reason shall be held for the account of the person or persons entitled thereto pursuant to the Oil and Gas Proceeds Payment Act (NMSA 1978 Sections 70-10-1 through 70-10-6, as amended). If not disbursed, such proceeds shall be turned over to the appropriate authority as and when required by the Uniform Unclaimed Property Act (NMSA 1978 Sections 7-8A-1 through 70-8A7-8A-28, as amended).
- (17) Any unleased mineral interests shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under this order. Any well costs or charges that are to be paid out of production shall be withheld only from the working interests' share of production, and no costs or charges shall be withheld from production attributable to royalty interests.
- (18) Should all the parties to this compulsory pooling order reach voluntary agreement subsequent to entry of this Order, this order shall thereafter be of no further effect.
- (19) The operator of the well and Unit shall notify the Division in writing of the subsequent voluntary agreement of all parties subject to the compulsory pooling provisions of this Order.
- (20) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JAMI BAILEY Director

DISTRICT-1
623 N Franch Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
DISTRICT-11
611 S, Frat St., Anesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
DISTRICT-111
1000 Rio Brazos Road, Aziec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
DISTRICT-1V
1220 S, Sr. Francis Dr., Sano Fe, NM-87505

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

□AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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JL or lot No.	Section	Township	Range	Lot.ldn	Feet from the	North/South line	Feet from the	East/West line	County."
4	31	18-S	26-E			210	WEST	ÉDDY	
				Bottom Hole	e Location If Diffe	rent From Surface	* * * * * * * * * * * * * * * * * * *	6-4-1	Same Fred A
JL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	19-S	26-E	1 1 1	359	SOUTH	495	WEST	EDDY
ALLOWABLE W	TLL: BE ASSIGN	NED TO THIS CO	MPLETION UN	TIL ALL INTE	RESTS HAVE BEEN (ONSOLIDATED OR A N	ON-STANDARD UNI	T HAS BEEN APPROVE	D BY THE DIVIS
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BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. B

Submitted by: **CONCHO COG OPER.** Hearing Date: August 8, 2018

Case Nos. 15090

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

(Re-Opened and Re-Advertised)

ORDER NO. R-13808-A

AMENDED APPLICATION OF COG OPERATING LLC TO RE-OPEN CASE NO. 15090 TO POOL THE INTERESTS OF ADDITIONAL MINERAL OWNERS UNDER THE TERMS OF COMPULSORY POOLING ORDER NO. R-13808, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION

This case came on for hearing at 8:15 a.m. on August 4, 2016, before Examiner William V. Jones.

NOW, on this ____ day of October, 2016, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT

- (1) Due public notice has been given, and the Division has jurisdiction of this case and the subject matter.
- (2) COG Operating LLC (the "Applicant") seeks to amend Order No. R-13808, issued in Case No. 15090 on March 11, 2014 to include in a compulsory pooled unit ("the Unit") the interests of a working interest owner who previously committed its interest to the well Applicant has drilled on the Unit pursuant to an operating agreement that has since expired.
- (3) Applicant also seeks to expand the vertical boundaries of the Unit to clarify that the Unit includes the Glorieta formation as well as the Yeso.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico **Exhibit No. C**Submitted by: **CONCHO COG OPER.**

Hearing Date: August 8, 2018

Case Nos. 15090

Case No. 15090 (Re-Opened and Re-Advertised) Order No. R-13808-A Page 2 of 5

- (4) By Order No. R-13808 ("the previous order), the Division created the Unit as a non-standard oil spacing and proration unit "in the Yeso formation, Atoka; Glorieta-Yeso Pool" (pool code 3250), comprised of the W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM, in Eddy County, New Mexico," and compulsory pooled all then uncommitted interests in the Unit for the drilling of Applicant's then proposed Arabian 6 Fee Well No. 10H (API No. 30-015-42004 "the subject well") to be drilled from a surface location 150 feet from the South line and 210 feet from the West line (Unit M) of Section 31, Township 18 South, Range 26 East, NMPM, to a terminus 330 feet from the South line and 530 feet from the West line (Unit M; Lot 7), of Section 6, Township 19 South, Range 26 East, NMPM, in Eddy County, New Mexico.
- (5) The testimony in the hearing held in original Case No. 15090 on February 20, 2014, which resulted in issuance of the previous order, was to the effect that all then leased interests were voluntarily committed to the subject well, and only certain unleased mineral interests should be compulsory pooled.
- (6) The original order recites in Finding Paragraph (4) that the subject well will be located in the Atoka; Glorieta-Yeso Pool (pool code 3250), but the provisions of that order establishing, and pooling, the Unit describe it as comprising the Yeso formation.
 - (7) Applicant appeared through counsel and presented the following evidence:
 - (a) The subject well has been drilled and completed.
 - (b) Subsequent to completion, the Well was shut in for a period of time causing a joint operating agreement which committed the nonoperating working interest owners to the well, to expire.
 - (c) Applicant has obtained new leases, or existing leases have been recommitted to the Unit, for some, but not all lease interests. At least one lease formerly subject to the operating agreement has not been re-committed to the Unit.
 - (d) There is a need to amend Order No. R-13808 (i) to confirm that any working interest ("presently uncommitted interest") that ceased to be committed to the Unit due to expiration of the operating agreement after issuance of the previous order is subject to the compulsory provisions of that order, and (ii) to define the rights of the owner or owners of the presently uncommitted interest(s) thereunder.
 - (e) The only owner of an uncommitted interest whose interest is identified in a conveyance document of record or known to Applicant has been duly notified of the present Application and of the hearing.
 - (f) Ownership of the area within the horizontal boundaries of the Unit is identical in the Glorieta and Yeso and formations; so that the Unit

Case No. 15090 (Re-Opened and Re-Advertised) Order No. R-13808-A Page 3 of 5

> can be expanded to include the Glorieta formation without any reallocation of interests.

(8) No other party entered an appearance or otherwise opposed this application.
The Division concludes as follows:

- (9) In order to afford all owners of each interest in the Unit, including both the previously pooled parties and owners of any presently uncommitted interests, the opportunity to recover or receive without unnecessary expense their just and fair share of hydrocarbons, this application should be approved by pooling all presently uncommitted interests, whatever they may be, in the Unit pursuant to the provisions of Order No. R-13808, as modified by this order.
- (10) The compulsory pooling provisions of this order should be effective from the date of first production from the subject well except as herein otherwise provided.
- (11) Any owner of a presently uncommitted interest who has paid its share of well costs of the subject well shall be treated as a consenting pooled party under the previous order, shall be liable only for actual well costs, operating expenses, and overhead charges accrued from first production to the extent, but only to the extent, not previously paid, but shall not be subject to any risk charge.
- (12) Reasonable charges for supervision (combined fixed rates) applicable to the interests of the owners of presently uncommitted interests should be fixed at \$5,450 per month, per well, while drilling and \$545 per month, per well, while producing, provided that these rates should be adjusted annually, from date of issuance of Order No. R-13808, pursuant to Section III.1.A.3. of the COPAS form titled "Accounting Procedure-Joint Operations."
- (13) Applicant also requested that the prior order be amended to pool the Glorieta formation as well as the Yeso formation.
- (14) Although Applicant requested expansion of the Unit to include the Glorieta formation in its application, there is no reference to the proposed expansion in the advertisement of the hearing in this re-opened case. Hence, the requested amendment to include the Glorieta formation in the Unit should be denied, without prejudice.

IT IS THEREFORE ORDERED THAT:

(1) Pursuant to the application of COG Operating LLC, Order No. R-13808, issued in this case on March 11, 2014, is hereby amended to compulsory pool all interests, whatever they may be, of owners whose interests ("presently uncommitted interests") that were contractually committed to the Unit when Order R-13808 was issued but have since become uncommitted due to expiration of an operating agreement, and their heirs, devisees, personal representatives, successors and assigns.

Case No. 15090 (Re-Opened and Re-Advertised) Order No. R-13808-A Page 4 of 5

- (2) The Unit shall remain dedicated to the Arabian 6 Fee Well No. 10H (API No. 30-015-42004 "the subject well").
- (3) The owners of presently uncommitted interests shall be liable for actual well costs of the subject well to the extent, but only to the extent, not previously paid, and shall be liable for reasonable operating costs and overhead charges from the date of first production, to the extent not previous paid, but shall not be liable for any risk charge.
- (4) Ordering Paragraphs (9) through (13) of Order No. R-13808 shall not apply to the interests pooled by this order, as to the subject well. If, however, any infill well is subsequently proposed in this Unit under Rule 19.15.13.10 NMAC, this Ordering Paragraph (4) shall not apply, and the provisions of Ordering Paragraphs (9) through (13) of Order No. R-13808 shall apply to any infill well so proposed.
- (5) Ordering Paragraph (15) of Order No. R-13808 is hereby amended, as applied to the interests pooled by this order only, to read as follows:

Reasonable charges for supervision (combined fixed rates) for the subject well are hereby fixed at \$5,450 per month while drilling and \$545 per month while producing, provided that these rates shall be adjusted annually from date of first production from the subject well, pursuant to Section III.1.A.3. of the COPAS form titled "Accounting Procedure-Joint Operations." The operator is authorized to withhold from production the proportionate share of both the supervision charges and the actual expenditures required for operating the well attributable to the interests pooled by this order. The expenses so withheld shall be limited to such as have not been previous paid.

- (6) Except as herein otherwise provided, Order No. R-13808 shall continue in full force and effect, and the interests pooled hereby shall be subject thereto.
- (7) Because the request to expand the Unit formed by Order No. R-13808 vertically to include the Glorieta formation was not included in the advertisement of this case, that request is hereby <u>denied</u>, without prejudice.

(8) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Case No. 15090 (Re-Opened and Re-Advertised) Order No. R-13808-A Page 5 of 5

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

DONE at

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

DAVID R. CATANACH

DIRECTOR

Attachment "D" Arabian 6 Fee #10H Lots 4, 5, 6 & 7 (W2W2), Section 6, T19S, R26E, Eddy County

Tract 1			
Tract 2			
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Tract 3			

Order	No	D 1	3808
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Order No. R-13808-A

Order No. R-13808-B

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15.00% COG Operating LLC
10.00% Yates Petroleum Corp
25.00% Estate of Jonell R. Gilmore
Estate of Stanley L. Jones
6.25% Yates Industries, LLC
18.75% Sharbro Energy, LLC
23.75% COG Operating LLC (MI)
1.25% Concho Oil & Gas LLC (MI)
• • •

30.00% COG Operating LLC 20.00% Yates Petroleum Corp 6.25% Yates Industries, LLC 18.75% Sharbro Energy, LLC 23.75% COG Operating LLC (MI) 1.25% Concho Oil & Gas LLC (MI)

55.00% Concho Resources 20.00% EOG Y Resources, Inc.* 18.75% Sharbro Energy, LLC* 6.25% Yates Industries LLC*

Tract 2

100.00% Dwight M. Lee
Byron Rev. Trust
Norma J. Chanley
Roy G. Barton, Jr.
Kimberly Ann Hutchins
Wagner Rev. Living Trust
Janan Bullard Bost
W.B. Perry, Jr.

Donald B. Farris

15.03% COG Operating LLC 79.50% DHA, L.L.C. 5.47% Yates Petroleum Corp

56.49% Concho Resources
18.17% Norma J. Chanley
18.17% Roy G. Barton, Jr.*
5.46% EOG Y Resources, Inc*.
1.71% Gatorex Holdings, LLC*

60.00% COG Operating LLC 40.00% Yates Petroleum Corp

60.00% COG Operating LLC 40.00% Yates Petroleum Corp

Tract 3

66.67% Estate of Mary Ellen Taylor* 20.00% Concho Resources 13.33% EOG Y Resources, Inc.*

Interest in Spacing Unit (Lots 4, 5, 6 & 7 of Section 6, T19S, R26E)

40.13% COG Operating LLC
0.30% Concho Oil & Gas LLC
22.95% Yates Petroleum Corp
1.50% Yates Industries, LLC
4.50% Sharbro Energy, LLC
6.00% Estate of Jonell R. Gilmore
24.62% Estate of Dwight M. Lee

47.43% COG Operating LLC 0.30% Concho Oil & Gas LLC 26.70% Yates Petroleum Corp 1.50% Yates Industries, LLC 4.50% Sharbro Energy, LLC 19.57% DHA, L.L.C.

37.38% Concho Resources
34.26% Estate of Mary Ellen Taylor*
13.00% EOG Y Resources, Inc.*
4.50% Sharbro Energy, LLC*
4.47% Norma J. Chanley
4.47% Roy G. Barton, Jr*.
1.50% Yates Industries LLC*
0.42% Gatorex Holdings, LLC*

Parties Pooled under Prior Orders

Parties to be Pooled Under the New Order

* Verbal Agreement

May 24, 2018

Roy G. Barton, Jr. 1919 N. Turner Hobbs, NM 88240

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Mr. Barton:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

Your interest was subject to the lease from Roy G. Barton, Jr., as Lessor, to DHA, L.L.C., as Lessee, dated January 7, 2014 (Book 966, Page 973). However, it appears that the lease has expired.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, your interest in the well is 4.472215%; your share of the costs would be approximately \$19,029.27.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLG

Swart A. Dirks, CPL Senior Staff Landman

May 24, 2018 Page Two	
I elect to participate in the rework of the Arabian 6 Fee #101	Ι.
By:	
Roy G. Barton, Jr.	

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**Costs are estimates** Prices may have risen due to increased all price since previous job on Arabian 6H
 Cleanout
                                                                                                                $90,000
      $10,290 rig (assuming 14 hr/d for 3 day)
       $4,275 kill trk (assuming 15 hr/d for 3 day)
      $15,000 with (reverse unit, swive , toolhand, jet tool, elevators, half pit, flowback maniford, delivery of all)
      $25,000 pipe rent (2.7/8" L8C workstring + pipe racks)
      $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
       $4,250 frac tank (delivery + daily rental for entire job)
       $2,500 BOP (assuming annular)
       $2,280 transport (vac trucks w/ water)
     $80,995
                   $86,867
     cost
               tax included
 Logging
                                                                                                              $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 hill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (haul produced water- can we take to Arabian bity or our SWD?)
      $4,000 water (assuming 2500 bbl)
      $8,085 pipe rent? OR have ($5 yellowband delivered ($3.5/ft fi.r 2310 ft)
      $10,000 Nitrogen (cost was ~8,500 for fast project)
     590,000 Lagging (40.6k for Sanic, 49.3k for Production)
      $1,000 Frac tank (going to need 2 frac tanks for flowback)
      $2,500 Crown valve rental (cost last job, may have gone up due to oil price)
      $2,500 Flowback manifold (WRH?)
              Crane?
                           tooks like job at Arabian 6 had a mani ft
    $130,945
                  $140,439
     cost
              tax included
Estimate of costs so far
                                              $235,000
                                              $258,500 w/ 10% safety factor
Evaluate logs
Cementing/Squeezing
                                                                                                               $60,000
     $14,700 rig (assuming 15 hr/d for 4 day:
                                                            Can we set packer in horizontal?
      $5,700 kill tak (assuming 15 hr/d for 4 day)
                                                            Special tools needed?
      $2,000 water (general estimate of 1000 bb)
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     $10,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                   $56,950
    cost
              tax included
Oriff out cement
                                                                                                               $30,000
      $9,188 rig (assuming 15 hr/d for 2.5 day)
                                                            Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                            If so, need pipe rental + jet tool cost
      $1,500 water (assuming 1000 bb )
     $10,000 WRH (bit, swivel, jet too , half pit, flowback, etc)
    $24,250
                  $26,008
    cost
             tax included
Put on production
                                                                                                              $45,000
     $6,860 rig (assuming 14 hr/d for 2 day)
     $2,850 kill trk (assuming 15 hr/d for 2 day)
     $1,500 water (assuming 1000 bbl)
    $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
     $5,720 rods (enough to get to KOP only most likely)
```

Total estimate

\$37,680

\$1,500 TAC + supplies

\$1,500 balance & align unit

\$40,412 tax included

\$2,800 BHA (possibly desander, mud anchors, etc)

\$370,000

\$4,500 pump (assuming tbg pump) may need something else depending on water production after sqr)

\$407,000 w/ 10% safety factor \$425,500 w/ 15% safety factor

1		1
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DEL	IVERY
Complete items 1, 2, and 3.	A. Signature	W 438
Print your name and address on the reverse so that we can return the card to you.	X	☐ Agent ☐ Addressee
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name)	C. Date of Delivery
Roy G. Barton, Jr. 1919 N. Turner Hobbs, NM 88240 RE: Arabian 6 Fee #10H	D. Is delivery address different from ite if YES, enter delivery address below	m 1? ☐ Yes w: ☐ No
9590 9402 3579 7305 0956 29 2. Article Number (Transfer from service label) 91 7199 9991 7038 7627 2	3 Adult Signature Restricted Delivery 1 Certified Mail® 2 Certified Mail Restricted Delivery 2 Collect on Delivery 3 Collect on Delivery 4 Restricted Delivery 5 Collect on Delivery Restricted Delivery 6 S	mority Mail Express® egistered Mail™ egistered Mail™ setricted relivery eturn Receipt for ferchandise ignature Confirmation™ ignature Confirmation estricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Dome	stic Return Receipt
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION OF	V DELIVERY
Complete Items 1, 2, and 3.	A Signature	
Print your name and address on the reverse	* toler Do	A Gent
so that we can return the card to you. Attach this card to the back of the maliplece,	B. Rocelyad by (Printing) Name)	C. Date of Delivery
Roy G. Barton, Jr. 1919 N. Turner Hobbs, NM 88240 RE: Arabian 6 Fee #10H	Debra Briak D. is delivery address different for if YEB, unfor delivery address JUN 0 5	IMEL
9590 9402 3579 7305 0956 29	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail Restricted Delivery Collect on Delivery	☐ Priority Mail Express® ☐ Registered Mail™ ☐ Registered Mail Restricted Delivery A Return Receipt for Morchandise
2. Article Number (Transfer from service label) 91 7199 9991 7038 7627	☐ Collect on Delivery Restricted Delivery	☐ Signature Confirmation Signature Confirmation
PS Form 3811, July 2015 PSN 7530-02-000-9053		Restricted Delivery
	Roy G. Barton, Jr. 1919 N. Turner Hobbs, NM 88240	Domestic Return Receipt



ONE CONCHO CENTER
600 W. ILLINOIS AVENUE
MIDLAND, TX 79701

EHT2 2292 9E02 T666 65T2 T6

May 24, 2018

Legacy Royalty LLC PO Box 1091 Artesia, NM 88211-1091

Attn: Ms. Shari Dayhoff

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Shari:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

Your interest was subject to the lease from Legacy Royalty LLC, as Lessor, to Yates Industries LLC, as Lessee, dated August 6, 2015 (Book 1057, Page 348). However, it appears that the lease has expired.

If you do not renew your lease to Yates Industries, COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement be sent to you for your signature. According to our records, the interest of Legacy Royalty LLC is 1.499428%; your cost to participate would be approximately \$6380.07.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLC

Stuart A. Dirks, CPL Senior Staff Landman

May 24, 2018 Page Two	

Legacy Royalty LLC elects to participate in the rework of	f the Arabian 6 Fee #6H
Ву:	291
Name:	
Title:	

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**Costs are estimates** Prices may have risen due to increased oil price since previous job on Arabian 6H
Cleanout
    $10,290 rig (assuming 14 hr/d for 3 day)
      $4,275 kill trk (assuming 15 hr/d for 3 day)
    $15,000 with (reverse unit, swive., toolhand, jet tool, elevators, half pit, flowback manifold, delivery of all)
```

\$25,000 pipe rent (2.7/8" LBC workstring + pipe racks) \$15,000 trucking (delivery of workstring, forklift, pick up workstring)

\$2,400 water (for frac tank/cleanout)

\$4,250 frac tank (derivery + daily rental for entire job)

\$2,500 BOP (assuming annular):

\$2,280 transport (vac trucks w/ water)

\$80,99\$ \$86,867 cost tax included

Logging \$5,880 rig (assuming 12 hr/d for 2 day)

\$2,660 kill trk (assuming 14 hr/day for 2 day)

\$4,320 transport (hauf produced water- can we take to Arabian bitty or our SWD?)

\$4,000 water (assuming 2500 bbl)

\$8,085 pipe rent? OR have j55 yellowband delivered (\$3.5, ft f- r 2310 ft)

\$10,000 Nitrogen (cost was ~8,500 for last project)

\$90,000 Logging (40.6k for Sanic, 49 3k for Production)

\$1,000 Frac tank (going to need 2 frac tanks for flowback)

\$2,500 Crown valve rental (cost last job, may have gone up due to oil price)

\$2,500 Flowback manifold (WRH?)

Crane? Looks like ob at Arabian 6 had a maniift

\$130,945 cost

\$140,439 tax included

Estimate of costs so far

\$235,000

\$258,500 w/ 10% safety factor

Evaluate logs

Cementing/Squeezing \$60,000 \$14,700 rig (assuming 15 hr/d for 4 day: Can we set packet in horizontal? \$5,700 kill trk (assuming 15 hr/d for 4 dev) Special tools needed?

\$2,000 water (general estimate of 1000 bbl

\$5,700 transport (assuming 15 hr/d for 4 day)

\$15,000 cement (+ pump truck)

\$10,000 cement tools (retainer, CIBP, packers, special tools)

\$53,100 \$56,950 cost tax included

Orill out cement

\$30,000 \$9,188 rig (assuming 15 hr/d for 2.5 day)

Clean out well again after drill out? \$3,563 kill trk (assuming 15 hr/d for 2.5 day) If so, need pipe rental + jet tool cost \$1,500 water (assuming 1000 bb.)

\$10,000 WRH (bit, swivel, jet too , half pit, flowback, etc)

\$24,250 \$26,008 cost tax included

Put on production

\$45,000

\$90,000

\$145,000

\$6,860 rig (assuming 14 hr/d for 2 day)

\$2,850 kill trk (assuming 15 hr/d for 2 day)

\$1,500 water (assuming 1000 bbl)

\$10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)

\$5,720 rods (enough to get to KOP only most likely)

\$4,500 pump (assuming the pump) may need something else depending on water production after (q.)

\$1,500 TAC + supplies

\$2,800 BHA (possibly desander, mud anchors, etc)

\$1,500 balance & align unit

\$40,412 \$37,680

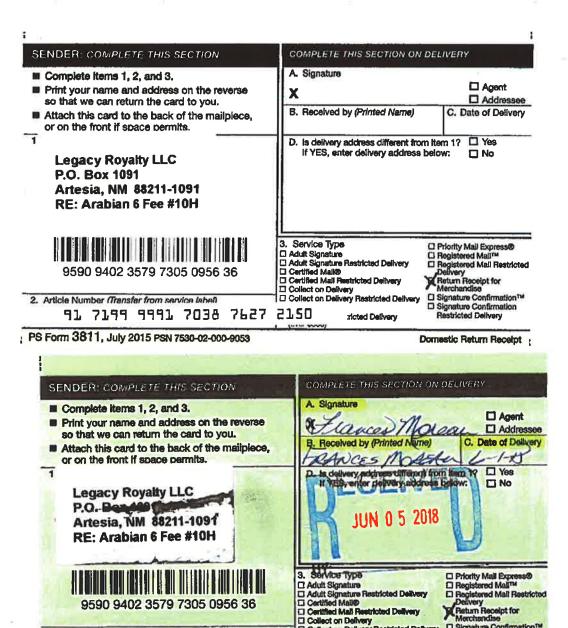
tax included cost

Total estimate

\$370,000

\$407,000 w/ 10% safety factor

\$425,500 w/ 15% safety factor



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2. Article Number (Transfer from service Inhel)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Artesia, NM 88211-1091 Box

tricted Delivery

2150

Return Receipt for Merchandise

☐ Signature Confirmation™

Signature Confirmation Restricted Delivery

Domestic Return Receipt



600 W ILLINOIS AVENUE ONE CONCHO CENTER MIDLAND, TX 79701



May 24, 2018

Norma J. Chanley 407 E. Arriba Drive Hobbs, NM 88240

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Ms. Chanley:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

Your interest was subject to the lease from Norma J. Chanley, as Lessor, to DHA, L.L.C., as Lessee, dated January 7, 2014 (Book 966, Page 977). However, it appears that the lease has expired.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, your interest in the well is 4.472215%; your share of the costs would be approximately \$19,029.27.

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If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLC

Senior Staff Landman

May 24, 2018 Page Two
I elect to participate in the rework of the Arabian 6 Fee #10H.
By:

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Cleanout
                                                                                                               $90,000
      $10,290 rig (assuming 14 hr/d for 3 day).
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       52,280 transport (vac trucks w/ water)
      $80,99$
                   $86,867
      teos
               tax included
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                                                                                                             $145,000
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       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have (55 yellowband delivered ($3.5/ft for 2310 ft)
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       $2,500 Flowback manifold (WRH?)
              Crane?
                           Looks like job at Arabian 6 had a manlift
    $130,945
                  $140,439
     cast
               tax included
 Estimate of costs so far
                                              $235,000
                                              $258,500 w/ 10% safety factor
 Evaluate logs
 Cementing/Squeezing
                                                                                                              $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                            Can we set packer in horizontal?
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                                                            Special tools needed?
      $2,000 water (general estimate of 1000 bbl)
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              tax included
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                                                                                                              $30,000
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                                                            Clean out well again after drill out?
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    cost
              tax included
Put on production
                                                                                                             $45,000
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      $5,720 rods (enough to get to KOP only most likely)
      $4,500 pump (assuming the pump) may need something else depending on water production after (\mathbf{q})
      $1,500 TAC + supplies
      $2,800 BHA (possibly desander, mud anchors, etc)
      51,500 balance & align unit
    $37,580
                  $40,412
   cost
              tax included
Total estimate
                                             $370,000
                                             $407,000 w/ LOW safety factor
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\$425,500 w/ 15% safety factor

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the malipiece, 	A. Signature X
or on the front if space permits. Norma J. Chanley 407 E. Arriba Drive Hobbs, NM 88240 RE: Arabian 6 Fee #10H	D. Is delivery address different from Item 1? Yes If YES, enter delivery address below: No
9590 9402 3579 7305 0956 43	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Meil® Certified Meil Restricted Delivery Collect on Delivery Priority Mail Express® Registered Mail™ Registered Mail™ Delivery Registered Mail™ Registered Mail™ Registered Mail™ Registered Mail™ Registered Mail Restricted Delivery Refurn Receipt for Merchandise
E. 74 dolo Hallibol Hallier Fort Salvani wash	Collect on Delivery Restricted Delivery Collect on Delivery Restricted Delivery Confirmation Confirmation Restricted Delivery
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the maliplece, or on the front if space permits. 	A. Significant Agent Addressee B. Risceived by (Printed Name) C. Date of Delivery 5/3/1/8
Norma J. Chanley 407 E. Arriba Drive Hobbs, NM 88240 RE: Arabian 6 Fee #10H	D. Is delivery address different from them 1? Yes If YES, enter delivery address below: No JUN 0 5 2018
9590 9402 3579 7305 0956 43	3. Service Type Adult Signature Restricted Delivery Priority Mail Express® Registered Mail™ Registered Mail™ Registered Mail™ Registered Mail™ Registered Mail Restricted Delivery Return Receipt for Merchandise Signature Confirmation™ Signature Confirmation™ Signature Confirmation™ Registered Delivery Restricted Delivery R
2. Article Number (Transfer from service label) 91. 71.99 9991 7038 7627	☐ Signature Confirmation

PS Form 3811, July 2015 PSN 7530-02-000-9053

Norma J. Chanley 407 E. Arriba Drive Hobbs, NM 88240

Domestic Return Receipt



MIDLAND, TX 79701 600 W. ILLINOIS AVENUE ONE CONCHO CENTER

29T2 2292 PEO2 TEBS BBT2 TB



May 24, 2018

Sharbro Energy, LLC PO Box 840 Artesia, NM 88211

Attn: Ms. Elizabeth Baker

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Liz:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

COG is proposing to do the Operation under the terms of a modified 1989 AAPL Model Form Operating Agreement ("OA") covering the W ½ of the W ½ of Section 6, T-19-S, R-26-E, with the following general provisions:

- 100/300 Non-consenting penalty
- Drilling and Producing rate of \$6000/\$600
- COG named as Operator

If you wish to participate in the Operation, please sign below and return a copy to the undersigned and our proposed OA will be sent for your review. According to our records, the interest of Sharbro Energy in this well is 4.498284%; your cost to participate would be approximately \$19,140.20.

If you do not wish to participate in the Operation, COG would like to acquire a Term Assignment of your interest for the following general terms:

- Three year primary term
- Delivering a 1.5% ORRI, proportionately reduced
- \$150 per net acre bonus consideration

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

May 24, 2018 Page Two
If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.
Yours Truly,
COG Operating LLC Stuart A. Dirks, CPL Senior Staff Landman
Sharbro Energy, LLC elects to participate in the rework of the Arabian 6 Fee #10H.
Ву:
Name:

Title:

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**Costs are estimates** Prices may have risen due to increased oil price since previous job on Arabian 6H
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      $1,500 balance & align unit
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                  $40,412
              tax included
                                             $370,000
Total estimate
                                             $407,000 w/ 10% safety factor
                                             $425,500 w/ 15% safety factor
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	i
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Sharbro Energy, LLC	A. Signature X.
9590 9402 3579 7305 0956 50	3. Service Type Adult Signature Restricted Delivery Certified Mail® Certified Mail® Certified Mail Restricted Delivery Return Receipt for
Article Number (Transfer from service lebel)	□ Collect on Delivery □ Collect on Delivery Restricted Delivery □ Signature Confirmation™ □ Signature Confirmation □ Signature Confirmation □ Restricted Delivery □ Domestic Return Receipt
	STATE OF THE PARTY
SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.	A Signature A Signature A Agent Addressee B. Received by (Printed Name), C. Date of Delivery
Sharbro Energy, LLC P.O. Box 840 Artesia, NM 88211 RE: Arabian 6 Fee #10H	D. Is delivery address different from Ism 1? If YES, enter delivery address below: No 8102 1 W JUN 0 4 2018
9590 9402 3579 7305 0956 50	3. Service Type
2. Article Number (Transfer from service lebel)	☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery ☐ Signature Confirmation ☐ Signature Confirmation ☐ Signature Confirmation

PS Form 3811, July 2015 PSN 7530-02-000-0059 **

91 7199 9991 7038 7627 2174

Sharbro Energy, LLC P.O. Box 840 Artesia, NM 88211

fcted Delivery

Domestic Return Receipt



600 W. ILLINOIS AVENUE MIDLAND, TX 79701 ONE CONCHO CENTER

> **PP1**5 Tbbb 1212 2292 BED2

Receipt No.: 91-7199-9991-7038-7627-2181

May 24, 2018

EOG Y Resources, Inc. 105 S. Fourth Street Artesia, NM 88210

Attn: Ms. Janet Richardson

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Janet:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

COG is proposing to do the Operation under the terms of a modified 1989 AAPL Model Form Operating Agreement ("OA") covering the W ½ of the W ½ of Section 6, T-19-S, R-26-E, with the following general provisions:

- 100/300 Non-consenting penalty
- Drilling and Producing rate of \$6000/\$600
- COG named as Operator

If you wish to participate in the Operation, please sign below and return a copy to the undersigned and our proposed OA will be sent for your review. According to our records, the interest of EOG Y Resources in this well is 12.996053%; your cost to participate would be approximately \$55,298.21.

If you do not wish to participate in the Operation, COG would like to acquire a Term Assignment of your interest for the following general terms:

- Three year primary term
- Delivering a 1.5% ORRI, proportionately reduced
- \$150 per net acre bonus consideration

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

May 24, 2018 Page Two
If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.
Yours Truly,
COG Operating LLC Stuart A. Dirks, CPL Senior Staff Landman
EOG Y Resources, Inc. elects to participate in the rework of the Arabian 6 Fee #10H.
By:

Name:

Title:

```
**Costs are estimates** Prices may have risen due to increased oil price since previous job on Arabian 6H
```

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$90,000
       $10,290 rig (assuming 14 hr/d for 3 day)
       $4,275 kill trk (assuming 15 hr/d for 3 day)
       $15,000 with (reverse unit, swivel, toolhand, jet tool, elevators, half pit, flowback maniford, delivery of all-
      $25,000 pipe rent (2-7/8" L8C workstring + pipe racks)
       $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
       $4,250 frac tank (delivery + daily rental for entire job)
       $2,500 BOP (assuming annular)
       $2,280 transport (vac trucks w/ water)
      $80,995
                   $86,867
      cost
               tax included
 Locking
                                                                                                              $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 kill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (hauf produced water- can we take to Arabian bitty or our SWQ?)
       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have j55 yellowband delivered ($3.5, ft for 2310 ft)
      $10,000 Nitrogen (cost was ~8,500 for last project)
      $90,000 Logging (40.6k for Sonic, 49 3k for Production)
       $1,000 Frac tank (going to need 2 frac tanks for flowback)
       $2,500. Crown valve rental (cost last job, may have gone up due to oil price)
       $2,500 Flowback manifold (WRH?)
              Crane?
                            Looks like job at Arabian 6 had a mankft
    $130,945
                  $140,439
               tax included
 Estimate of costs so far
                                              $235,000
                                              $258,500 w/ 10% safety factor
 Evaluate logs
 Cementing/Squeezing
                                                                                                              $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                             Can we set packer in horizontal?
       $5,700 kill trk (assuming 15 hr/d for 4 day)
                                                             Special tools needed?
       $2,000 water (general estimate of 1000 bbill
      55,700 transport (assuming 15 hr/d for 4 day)
     $15,000 cement (+ pump truck)
     $10,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                   $56,950
     cost
              tax included
Drill out cement
                                                                                                              $30,000
      $9,188 rig (assuming 15 hr/d for 2.5 day)
                                                            Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                            If so, need pipe rental + jet tool cost
      $1,500 water (assuming 1000 bb )
     $10,000 WRH (bit, swivel, jet too, half pit, flowback, etc)
                   $26,008
     $24,250
     teas
              tax included
Put on production
                                                                                                             $45,000
      $6,860 rig (assuming 14 hr/d for 2 day)
      $2,850 kill trk (assuming 15 hr/d for 2 day)
      $1,500 water (assuming 1000 bbl)
     $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
      $5,720 rods (enough to get to KOP only most likely)
      $4,500 pump (assuming tog pump - may need something else depending on water production after (qz)
      $1,500 TAC + supplies
      $2,800 BHA (possibly desander, mud anchors, etc)
      $1,500 balance & align unit
     $37,680
                   $40,412
              tax included
    cast
Total estimate
                                             $370,000
                                             $407,000 w/ 10% safety factor
```

\$425,500 w/ 15% safety factor

SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY A. Signature Complete items 1, 2, and 3. □ Agent Print your name and address on the reverse X ☐ Addressee so that we can return the card to you. B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the mailpiece. or on the front if space permits. D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: EOG Y Resources, Inc. 105 S. Fourth Street Artesia, NM 88210 RE: Arabian 6 Fee #10H 3. Service Type ☐ Priority Mell Express® ☐ Registered Mell™ ☐ Registered Mell™ ☐ Registered Mell Restricted Delivery Return Receipt for Merchandise Service Type Adult Signature Adult Signature Restricted Delivery Certified Mali® Certified Mali Restricted Delivery 9590 9402 3579 7305 0956 67 ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation[™] ☐ Signature Confirmation ☐ Restricted Delivery 2. Article Number (Transfer from service label) 91 7199 9991 7038 7627 2181 tricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. ☐ Agent Print your name and address on the reverse ☐ Addressee so that we can return the card to you. Date of Delivery B. Received by Printed Na Attach this card to the back of the malipiece, Is delivery address different from Item 1? If YES, enter-delivery address below: or on the front if space permits. ☐ Yeg EOG Y Resemees, Inc. 105 S. Fourth Street Artesia, NM 88210 JUN 0 5 2018 RE: Arabian 6 Fee #10H 3. Sertico Type Adult Signature Adult Signature Restricted Delivery Cartified Mail® ☐ Priority Mell Expre ☐ Registered Mali™ ☐ Registered Mali Restricted Delivery 9590 9402 3579 7305 0956 67 ☐ Certified Mail Restricted Delivery Return Receipt for Merchandise ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™ ☐ Signature Confirmation Restricted Delivery 2. Article Number (Transfer from service label) 91 7199 9991 7038 7627 2181 tricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

EOG Y Resources, Inc. 105 S. Fourth Street Artesia, NM 88210



ONE CONCHO CENTER 600 W. ILLINOIS AVENUE MIDLAND, TX 79701

:9T2 2292 9ED2 T666 66T2 T6

Receipt No.: 91-7199-9991-7038-7627-2198

May 24, 2018

Jeannine H. Byron, Trustee of the Robert and Jeannine Byron Revocable Trust U/T/A dtd 6/18/2003 PO Box 1562 Roswell, NM 88202-1562

Attn: Mr. Robert G. Hooper

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Mr. Hooper:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

The interest of the Trust was subject to the lease from Robert P. Byron and Jeannine Hooper Byron, Trustees of the Robert and Jeannine Byron Revocable Trust U/T/A dtd 6/18/2003, as Lessor, to DHA, L.L.C., as Lessee, dated January 7, 2014 (Book 966, Page 975). However, it appears that the lease has expired.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, the interest of the Trust in the well is 8.944429%; the share of the Trust in the cost of the Operation would be approximately \$38,058.55.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

May 24, 2018 Page Two
If you have any quest
Yours Truly,
COG Operating LLC

any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Senior Staff Landman

I elect to participate in the rework of the Arabian 6 Fee #10H.

By:

Jeannine H. Byron, Trustee of the Robert and Jeannine Byron
Revocable Trust U/TA dated June 18, 2003

```
**Costs are estimates** Prices may have risen due to increased oil price since previous Job on Arabian 6H
Cleanout
    $10,290 rig (assuming 14 hr/d for 3 day)
      $4,275 kill trk (assuming 15 hr/d for 3 day).
    $15,000 with (reverse unit, swive, toolhand, jet tool, elevators, half pit, flowback maniford, derivery of all j
    $25,000 pipe rent (2.7/8" L80 workstring + pipe racks)
```

\$15,000 trucking (delivery of workstring, forklift, pick up workstring)

\$2,400 water (for frac tank/zleanout)

\$4,250 frac tank (delivery + daily rental for entire job)

\$2,500 BOP (assuming annular)

\$2,280 transport (vac trucks w/ water)

\$80,995 \$86,867 cost tax included

Logging

\$5,880 rig (assuming 12 hr/d for 2 day)

\$2,660 kill trk (assuming 14 hr/day for 2 day).

\$4,320 transport (hauf produced water- can we take to Arabian bity or our SWO?)

\$4,000 water (assuming 2500 bbl)

\$8,085 pipe rent? OR have JSS yellowband delivered (\$3.5, ft for 2310 ft)

\$10,000 Nitrogen (cost was ~8,500 for last project)

\$90,000 Lagging (40.6k for Sonic, 49 3k for Production)

\$1,000 Frac tank (going to need 2 frac tanks for flowback)

\$2,500 Crown valve rental (cost last job, may have gone up due to oil price)

\$2,500 Flowback manifold (WRH?)

Crane? Looks like ob at Arabian 6 had a mani ft

\$140,439 \$130,945 cost

tax included

Estimate of costs so far

\$235,000

\$258,500 w/ 10% safety factor

Evaluate logs

Cementing/Squeezing

\$60,000

\$90,000

\$145,000

\$14,700 rig (assuming 15 hr/d for 4 day) \$5,700 kill trk (assuming 15 hr/d for 4 day) Can we set packer in horizontat? Special tools needed?

\$2,000 water (general estimate of 1000 bbl)

\$5,700 transport (assuming 15 hr/d for 4 day)

\$15,000 cement (+ pump truck)

\$10,000 cement too's (retainer, CIBP, packers, special tools)

\$56,950 \$53,100 cost tax included

Orill out cement

\$30,000

\$9,188 rig (assuming 15 hr/d for 2.5 day) Clean out well again after drill out? \$3,563 kill trk (assuming 15 hr/d for 2.5 day) If so, need pipe rental + jet tool cost

\$1,500 water (assuming 1000 bb)

\$10,000 WRH (bit, swivel, jet too , half pit, flowback, etc)

\$24,250 \$26,008 cost tax included

\$45,000

Put on production \$6,860 rig (assuming 14 hr/d for 2 day)

\$2,850 kill trk (assuming 15 hr/d for 2 day)

\$1,500 water (assuming 1000 bbl)

\$10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)

\$5,720 rods (enough to get to KOP only most likely)

\$4,500 pump (assuming tog pump) may need something else depending on water production after $\sqrt{q}\partial$

\$1,500 TAC + supplies

\$2,800 BHA (possibly desander, mud anchors, etc)

\$1,500 balance & align unit

\$37,680 \$40,412

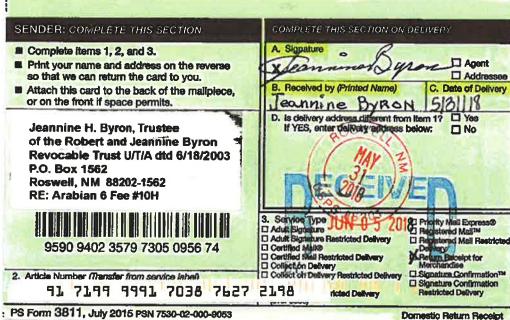
tax included

Total estimate

\$370,000

\$407,000 w/ 10% 59 fety factor

\$425,500 w/ 15% safety factor



Revocable Trust U/T/A dtd 6/18/2003 Roswell, NM 88202-1562 P.O. Box 1562 of the Robert and Jeannine Byron Jeannine H. Byron, Trustee



600 W. ILLINOIS AVENUE ONE CONCHO CENTER MIDLAND, TX 79701

> 12 719 _0 Tbbb**7038** 26 Ēυ **86T2**

May 24, 2018

Gatorex Holdings, LLC 1320 Clover Lane Fort Worth, TX 76107

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Madam or Sir:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, the interest of Gatorex Holdings, LLC is 0.420479%; the share of the cost would be approximately \$1789.14.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

Struart A. Dirks, CPL Senior Staff Landman

COG Operating LLC

Gatorex Hole	dings, LLC ele	ects to partic	ipate in the re	ework of the A	⊾rabian 6 Fee‡	/10H.
Ву:						
Name:	11-					
Title:						

May 24, 2018 Page Two

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Cleanout
                                                                                                               $90,000
       $10,290 rig (assuming 14 hr/d for 3 day).
       $4,275 kill trk (assuming 15 hr/d for 3 day)
       $15,000 with (reverse unit, swive , toolhand, jet tool, elevators, half pit, flowback manifold, delivery of ally
       $25,000 pipe rent (2-7/8" L8C workstring + pipe racks)
      $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
       $4,250 frac tank (delivery + daily rental for entire job)
       $2,500 BOP (assuming annular)
       52,280 transport (vac trucks w/ water)
      $80,995
                    $86,867
      cost
               tax included
 Logging
                                                                                                             $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 kill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (haul produced water- can we take to Arabian bity or our SWD?)
       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have j55 yellowband delivered ($3.5/ft for 2310 ft)
      $10,000 Nitrogen (cost was 18,500 for last project)
      $90,000 Logging (40.6k for Sonic, 49 3k for Production)
       $1,000 Frac tank (going to need 2 frac tanks for flowback)
       $2,500 Crown valve rental (cost last job, may have gone up due to oil price)
       $2,500 Flowback manifold (WRH?)
                           Looks like job at Arabian 6 had a manlift
              Crane?
    $130.945
                  $140,439
     cost
               tax included
 Estimate of costs so far
                                              $235,000
                                              $258,500 w/ 10% safety factor
 Evaluate logs
 Cementing/Squeezing
                                                                                                              $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                            Can we set packer in horizontal?
      $5,700 kill trk (assuming 15 hr/d for 4 day)
                                                            Special tools needed?
       $2,000 water (general estimate of 1000 bbi)
      $5,700 transport (assuming 15 hr/d for 4 day)
     $15,000 cement (+ pump truck)
     $10,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                   $56,950
     cost
              tax included
Orill out cement
                                                                                                             $30,000
      $9,188 rig (assuming 15 hr/d for 2 S day)
                                                            Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                            If so, need pipe rental + jet tool cost
      $1,500 water (assuming 1000 bb )
     $10,000 WRH (bit, swivel, jet too , half pit, flowback, etc)
     $24,250
                   $26,008
              tax included
    7200
Put on production
                                                                                                             $45,000
      $6,860 rig (assuming 14 hr/d for 2 day)
      $2,850 kill trk (assuming 15 hr/d for 2 day)
      $1,500 water (assuming 1000 bbl)
     $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
      $5,720 rads (enough to get to KOP only most likely)
     $4,500 pump (assuming the pump) may need something else depending on water production after squ
      $1,500 TAC + supplies
      $2,800 BHA (possibly desander, mud anchors, etc)
      $1,500 balance & align unit
    $37,680
                  $40,412
    cost
             tax included
Total estimate
                                             $370,000
                                             $407,000 w/ 10% safety factor
```

\$425,500 w/ 15% safety factor

SENDER COMPLETE THIS SECTION COMPLETE THIS SECTION OND Complete items 1, 2, and 3. ■ Print your name and address on the reverse ☐ Agent so that we can return the card to you. ☐ Addressee Received by (Printed Name) Attach this card to the back of the mailpiece, C. Date of Delivery or on the front if space permits. Rebecce Denke -12-18 1. tryes, enter delivery address below; ☐ Yes ☐ No Gatorex Holdings, LLC 1320 Clover Lane JUN 1 4 2018 Fort Worth, TX 76107 RE: Arabian 6 Fee #10H 3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail®
 Certified Mail® Registered Mail Restricted
Delivery
Return Receipt for
Merchandise 9590 9402 3579 7305 0956 05 ☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery 2. Article Number (Transfer from service label) Signature Confirmation
Restricted Delivery 91 7199 9991 7038 7627 2129 ricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

Gatorex Holdings, LLC 1320 Clover Lane Fort Worth, TX 76107



ONE CONCHO CENTER 600 W. ILLINOIS AVENUE MIDLAND, TX 79701



Receipt No.: 91-7199-9991-7038-7627-2136

May 24, 2018

The Estate of Mary Ellen Taylor 13947 Valley Vista Blvd Sherman Oaks, CA 91423

Attn: Mr. Eric Moore

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Mr. Moore:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

The interest of Mary Ellen Taylor was subject to the lease from Mary Ellen Taylor, as Lessor, to DMD LLC, as Lessee, dated October 5, 2010 (Book 830, Page 604). However, it appears that the lease expired before COG commenced the Operation.

COG would like to acquire a lease of this interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of the Operating Agreement covering the well will be sent to you for your signature. According our records, the Estate has an interest of 34.261751% in the well; the share of the costs of the Estate would be approximately \$145,783.75.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

Stuart A. Dirks, CPL

COG Operating LLC

Senior Staff Landman

The Estate of Mary Ellen Taylor
l elect to participate in the rework of the Arabian 6 Fee #10H.
Ву:
Name:

May 24, 2018 Page Two

```
**Costs are estimates** Prices may have risen due to increased oil price since previous job on Arabian 6H
 Cleanout
                                                                                                                $90,000
      $10,290 rig (assuming 14 hr/d for 3 day).
       $4,275 kill trk (assuming 15 hr/d for 3 day)
      $15,000 with (reverse unit, swive, toolhand, jet tool, elevators, hall pit, flowback manifold, delivery of all-
      $25,000 pipe rent (2-7/8" L8C workstring + pipe racks)
      $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
       $4,250 frac tank (delivery + daily rental for entire job)
       $2,500 BOP (assuming annular)
       $2,280 transport (vac trucks w/ water)
      $80,995
                    $86,867
     cost
               tax included
 Logging
                                                                                                              $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 kill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (haul produced water- can we take to Arabian bitty or our SWD?)
       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have jS5 yellowband delivered ($3.5/ft for 2310 ft)
      $10,000 Nitrogen (cost was ~8,500 for last project)
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      $1,000 Frac tank (going to need 2 frac tanks for flowback)
       $2,500 Crown valve rental (cost last job, may have gone up due to oil price)
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              Crane?
                           Looks like job at Arabian 6 had a manlift
    $130,945
                  $140,439
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Estimate of costs so far
                                              $235,000
                                              $258,500 w/ 10% safety factor
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Cementing/Squeezing
                                                                                                               $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                            Can we set packer in horizontal?
      $5,700 kill trk (assuming 15 hr/d for 4 day)
                                                            Special tools needed?
      $2,000 water (general estimate of 1000 bbl)
      $5,700 transport (assuming 15 hr/d for 4 day)
     $15,000 cement (+ pump truck)
     $10,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                  $56,950
              tax included
Drill out cement
                                                                                                              $30,000
      $9,188 rig (assuming 15 hr/d for 2.5 day)
                                                            Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                            If so, need pipe rental + jet tool cost
     $1,500 water (assuming 1000 bb )
     510,000 WRH (bit, swivel, jet too , half pit, flowback, etc)
    $24,250
                  $26,008
              tax included
Put on production
                                                                                                             $45,000
     $6,860 rig (assuming 14 hr/d for 2 day)
     $2,850 kill trk (assuming 15 hr/d for 2 day)
     $1,500 water (assuming 1000 bbl)
    $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
     $5,720 rods (enough to get to KOP only most likely)
     $4,500 pump (assuming the pump may need something else depending on water production after 197)
```

Total estimate

\$37,680

cost

\$1.500 TAC + supplies

\$1,500 balance & align unit

tax included

\$40,412

\$2,800 BHA (possibly desander, mud anchors, etc)

\$370,000

\$407,000 w/ 10% safety factor

\$425,500 w/ 15% safety factor

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature Complete items 1, 2, and 3. ☐ Agent Print your name and address on the reverse X □ Addressee so that we can return the card to you. C. Date of Delivery B. Received by (Printed Name) Attach this card to the back of the mailplece, or on the front if space permits. D. Is delivery address different from Item 1? ☐ Yes If YES, enter delivery address below: The Estate of Mary Ellen Taylor 13947 Valley Vista Blvd Sherman Oaks, CA 91423 RE: Arabian 6 Fee #10H Service Type ☐ Priority Mall Express® Registered Mail Restricted Registered Mail Restricted Delivery Return Receipt for Merchandise ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery 9590 9402 3579 7305 0956 12 ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™ 2. Article Number (Transfer from service label) ☐ Signature Confirmation Restricted Delivery 91 7199 9991 7038 7627 2136 Sicted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Print your name and address on the reverse Q-Address so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. ☐ Yes is delivery address different from high if YES, enter delivery address below. □ No The Estate of Mary Ellen Taylor 13947 Valley Vista Blvd Sherman Oaks, CA 91423 RE: Arabian 6 Fee #10H Prior by Mail Express® Redistanted MailTM Redistanted Mail Restricted Delivery Return Receipt for Marchandian 3. Service Type Adult Signature Adult Discentifier Restricted Delivery Control Mell Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery 9590 9402 3579 7305 0956 12 ☐ Signature Confirmation ☐ Signature Confirmation 2. Article Number (Transfer from service label) stricted Delivery 91 7199 9991 7038 7627 2136 tricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt 30

MIDLAND, TX 79701 600 W. ILLINOIS AVENUE CONCHO CENTER

9612

3947 Valley Vista Blvd herman Oaks, CA 91423 Estate of Mary Ellen Taylor

Sent Certified Mail Receipt No.: 91-7199-9991-7038-7627-2129

May 24, 2018

Gatorex Holdings, LLC 1320 Clover Lane Fort Worth, TX 76107

RE:

Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico

Dear Madam or Sir:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- ¼ Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, the interest of Gatorex Holdings, LLC is 0.420479%; the share of the cost would be approximately \$1789.14.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLC

Senior Staff Landman

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. F

Submitted by: CONCHO COG OPER. Hearing Date: August 8, 2018

Case Nos. 15090

May 24, 2018 Page Two

Gatorex Holdings, LLC elects to participate in the rework of the Arabian 6 Fee #10H.

By: lem lostatrell
Name: lerry loststreld

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**Costs are estimates** Prices may have risen due to increased pil price since previous job on Arabian 641
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$90,000
      $10,290 rig (assuming 14 hr/d for 3 day)
       $4,275 kill trk (assuming 15 hr/d for 3 day)
      $15,000 with (reverse unit, swive), toolhand, jet tool, elevators, half pit, flowback manifold, delivery of all)
      $25,000 pipe rent (2-7/8" L80 workstring + pipe racks)
      $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
       $4,250 frac tank (delivery + daily rental for entire job)
       $2,500 BOP (assuming annular)
       52,280 transport (vac trucks w/ water)
     $80,995
                 $86,867
     cost
              tax included
 Logging
                                                                                                             $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 kill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (haul produced water- can we take to Arabian bitty or our SWD?)
       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have j55 yellowband delivered ($3.5/ft for 2310 ft)
      $10,000 Nitrogen (cost was ~8,500 for last project)
      590,000 Logging (40.6k for Spnic, 49 3k for Production)
       $1,000 Frac tank (going to need 2 frac tanks for flowback)
       $2,500 Crown valve rental (cost last job, may have gone up due to oil price)
       $2,500 Flowback manifold (WRH?)
              Crane?
                           Looks like job at Arabian 6 had a manlift
    $130,945
                  $140,439
     cost
               tax included
Estimate of costs so far
                                             $235,000
                                            $258,500 w/ 10% safety factor
Evaluate logs
Cementing/Squeezing
                                                                                                             $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                            Can we set packer in horizontal?
      $5,700 kill trk (assuming 15 hr/d for 4 day)
                                                            Special tools needed?
      $2,000 water (general estimate of 1000 bbl)
      $5,700 transport (assuming 15 hr/d for 4 day)
     $15,000 cement (+ pump truck)
     $20,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                   $56,950
     cost
              tax included
Drill out cement
                                                                                                             $30,000
      $9,188 rig (assuming 15 hr/d for 2.5 day)
                                                           Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                           If so, need pipe rental + jet tool cost
      $1,500 water (assuming 1000 bb )
     $10,000 WRH (bit, swivel, jet too , half pit, flowback, etc)
     $24,250
                   $26,008
              tax included
    cost
Put on production
                                                                                                            $45,000
      $6,860 rig (assuming 14 hr/d for 2 day)
      $2,850 kill trk (assuming 15 hr/d for 2 day)
      $1,500 water (assuming 1000 bbl)
     $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
      $5,720 rods (enough to get to KOP only most likely)
      $4,500 pump (assuming the pump - may need something else depending on water production after 192)
     $1,500 TAC + supplies
     $2,800 BHA (possibly desander, mud anchors, etc)
     $1,500 balance & align unit
    $37,680
                 $40,412
    cost
              tex included
Total estimate
                                             $370,000
                                             $407,000 w/ 10% safety factor
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E 1

\$425,500 w/ 15% safety factor

Sent Certified Mail Receipt No.: 91-7199-9991-7038-7627-2143



May 24, 2018

Roy G. Barton, Jr. 1919 N. Turner Hobbs, NM 88240

RE: Well Proposal - Arabian 6 Fee #10H

SHL: 150' FSL & 210' FWL (Lot 4) of Section 31, T18S, R26E -154

BHL: 359' FSL & 495' FWL (Lot 4) of Section 6, T19S, R26E

Eddy County, New Mexico 149

Dear Mr. Barton:

COG Operating LLC ("COG"), as Operator, has drilled the Arabian 6 Fee #10H as a horizontal well at the above-captioned location, to a measured depth of approximately 7750', and a true vertical depth of approximately 2863' to test the Yeso Formation. The well has ceased production and COG plans to attempt a workover ("Operation") to bring the well back on production. The total cost of the Operation is estimated to be \$425,500 and a detailed description of the cost is enclosed.

Your interest was subject to the lease from Roy G. Barton, Jr., as Lessor, to DHA, L.L.C., as Lessee, dated January 7, 2014 (Book 966, Page 973). However, it appears that the lease has expired.

COG would like to acquire a lease of your interest for the following general terms:

- One year primary term
- 1/4 Royalty Interest
- \$150 per net acre bonus consideration

If you do not choose to lease your interest, you may elect to participate in the Operation by signing below and returning a copy to the undersigned. A copy of our proposed Operating Agreement will be sent to you for your signature. According to our records, your interest in the well is 4.472215%; your share of the costs would be approximately \$19,029.27.

If we do not reach an agreement within 30 days of the date of this letter COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into the spacing unit for the proposed well.

JOIN 6/4/18

If you have any questions, please do not hesitate to contact the undersigned at 432-685-4354.

Yours Truly,

COG Operating LLC

rt A. Dirks.

Senior Staff Landman

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**Costs are estimates** Prices may have risen due to increased oil price since previous job on Arabian 6H
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Cleanout
                                                                                                               $90,000
       $10,290 rig (assuming 14 hr/d for 3 day)
        $4,275 kill trk (assuming 15 hr/d for 3 day)
       $15,000 with (reverse unit, swive), toolhand, jet tool, elevators, half pit, flowback manifold, delivery of all)
       $25,000 pipe rent (2-7/8" L80 workstring + pipe racks)
       $15,000 trucking (delivery of workstring, forklift, pick up workstring)
       $2,400 water (for frac tank/cleanout)
        $4,250 frac tank (delivery + daily rental for entire job)
        $2,500 BOP (assuming annular)
       $2,280 transport (vac trucks w/ water)
      $80,995
                    $86,867
      cost
               tax included
 Logging
                                                                                                             $145,000
       $5,880 rig (assuming 12 hr/d for 2 day)
       $2,660 kill trk (assuming 14 hr/day for 2 day)
       $4,320 transport (hauf produced water- can we take to Arabian bitty or our SWD?)
       $4,000 water (assuming 2500 bbl)
       $8,085 pipe rent? OR have j55 yellowband delivered ($3.5/ft for 2310 ft)
      $10,000 Nitrogen (cost was ~8,500 for last project)
      $90,000 Lagging (40.6k for Sonic, 49.3k for Production)
       $1,000 Frac tank (going to need 2 frac tanks for flowback)
       $2,500 Crown valve rental (cost last job, may have gone up due to oil price)
       $2,500 Flowback manifold (WRH?)
              Crane?
                           Looks like job at Arabian 6 had a manlift
     $130,945
               $140,439
     cost
               tax included
 Estimate of costs so far
                                              $235,000
                                            $258,500 w/ 10% safety factor
 Evaluate logs
 Cementing/Squeezing
                                                                                                              $60,000
     $14,700 rig (assuming 15 hr/d for 4 day)
                                                            Can we set packer in horizontal?
       $5,700 kill trk (assuming 15 hr/d for 4 day)
                                                            Special tools needed?
       $2,000 water (general estimate of 1000 bbl)
       $5,700 transport (assuming 15 hr/d for 4 day)
     $15,000 cement (+ pump truck)
     $10,000 cement tools (retainer, CIBP, packers, special tools)
     $53,100
                   $56,950
               tax included
     cost
Drill out cement
                                                                                                             $30,000
      $9,188 rlg (assuming 15 hr/d for 2.5 day)
                                                            Clean out well again after drill out?
      $3,563 kill trk (assuming 15 hr/d for 2.5 day)
                                                            If so, need pipe rental + jet tool cost
      $1,500 water (assuming 1000 bb!)
     $10,000 WRH (bit, swivel, jet too!, half pit, flowback, etc)
     $24,250
                   $26,008
              tax included
    cost
Put on production
                                                                                                             $45,000
      $6,860 rig (assuming 14 hr/d for 2 day)
      $2,850 kill trk (assuming 15 hr/d for 2 day)
      $1,500 water (assuming 1000 bbl)
     $10,450 tubing (this may be lower if we decide to purchase pipe for initial logging)
      $5,720 rods (enough to get to KOP only most likely)
      $4,500 pump (assuming the pump - may need something else depending on water production after sqr)
      $1,500 TAC + supplies
      $2,800 BHA (possibly desander, mud anchors, etc)
      $1,500 balance & align unit
    $37,680
                  $40,412
             tax included
    cost
Total estimate
                                             $370,000
```

\$407,000 w/ 10% safety factor \$425,500 w/ 15% safety factor May 24, 2018 Page Two

I elect to participate in the rework of the Arabian 6 Fee #10H.

Roy G. Barton, Jr.

575-318-1793

DAILY REPORT VIA EMAIL, Nevada Gude Back.com, No legs.

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC TO RE-OPEN CASE NO. 15090 TO POOL THE INTERESTS OF ADDITIONAL MINERALS OWNERS UNDER THE TERMS OF COMPULSORY POOLING ORDER R-13808, EDDY COUNTY, NEW MEXICO.

CASE NO. 15090

AFFIDAVIT

STATE OF NEW MEXICO)	
) 5	SS
COUNTY OF SANTA FE)	

Jordan L. Kessler, attorney in fact and authorized representative of COG Operating, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications have been provided under the notice letters and proof of receipts attached hereto.

Jordan L. Kessler

SUBSCRIBED AND SWORN to before me this 8th day of August 2018 by Jordan L. Kessler.

Notary Public

My Commission Expires:

CL

OFFICIAL SEAL

CLARINDA L. WETZSTEON

NOTARY PUBLIC

STATE OF NEW MEXICO

My Commission Expires:

Submitted by: **CONCHO COG OPER.** Hearing Date: August 8, 2018

Case Nos. 15090



Shipment Confirmation Acceptance Notice

Note to Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

COG Operating LLC - Arabian 10H Well CM# 51500.0010 20180718 Pooles Parties List

Shipment Date: 07/16/2018 Shipped From: Name: HOLLAND & HART LLP Address: 110 N GUADALUPE ST # 1 City: SANTA FE State: NM ZIP+4® 87501

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First-Class Package Service®	
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Other	10
Total	10

^{*}Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

Note to RSS Clerk:

Home screen > Mailing/Shipping > More Select Shipment Confirm

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Confirm the volume count message by selecting Yes or No
 Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.

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			9214 8901 9403	8307819482	PO BOX 1091	Signature	No		
					Artesia NM 88211	Received			
					Sharbro Energy LLC	Delivered	10000		
			9214 8901 9403	8307819475	PO BOX 840 Artesla NM 88211	Signature Received	No		

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Recipient

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Gatorex Holdings LLC 1320 Clover Lane Ft Worth TX 76107

	Event Location	
DELIVERY STATUS NOT UPDATED	FORT WORTH,TX, 76107	
OUT FOR DELIVERY	FORT WORTH,TX, 76107	
SORTING/PROCESSING COMPLETE	FORT WORTH,TX, 76107	
ARRIVAL AT UNIT	FORT WORTH,TX, 76109	
DEPART USPS FACILITY	FORT WORTH,TX, 76161	
PROCESSED THROUGH USPS FACILITY	FORT WORTH,TX, 76161	
DEPART USPS FACILITY	ALBUQUERQUE,NM, 87101	
PROCESSED THROUGH USPS FACILITY	ALBUQUERQUE,NM, 87101	
ORIGIN ACCEPTANCE	Santa fe,nm, 87501	
SHIPMENT RECEIVED ACCEPTANCE PENDING	Santa fe,nm, 87501	
PRE-SHIPMENT INFO SENT USPS AWAITS ITEM	SANTA FE,NM, 87501	
	UPDATED OUT FOR DELIVERY SORTING/PROCESSING COMPLETE ARRIVAL AT UNIT DEPART USPS FACILITY PROCESSED THROUGH USPS FACILITY DEPART USPS FACILITY PROCESSED THROUGH USPS FACILITY ORIGIN ACCEPTANCE SHIPMENT RECEIVED ACCEPTANCE PENDING PRE-SHIPMENT INFO SENT	

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CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No. 0001254766

HOLLAND & HART 110 NORTH GUADALUPE, SUITE 1 PO BOX 2208

SANTA FE NM 87504

I, a legal clerk of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

07/17/18

Subscribed and sworn before me this 10th of August 2018.

State of WI/ County of Brown

My Commission Expires

Ad#:0001254766 P O: 10 H Well # of Affidavits:0.00

STATE OF NEW MEXICC ENERGY, MINERALS AN NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION SANTA FE, NEW MEXICC

The State of New Mexico through Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on August 9, 2018, in the Oil Conservation Division Hearing Room at 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene at 505-476-Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by July 30, 2018. Public documents. including the agenda and minutes, can be provided various accessible in forms. Please contact Davidson if a Florene summary or other type of accessible form needed.

STATE OF NEW MEXICO
TO:
All named parties and
persons
having any right, title,
interest
or claim in the following
case
and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To:All offset owners and pooled parties, including EOG Y Resources, Inc.; Sharbro Energy, LLC; Roy G. Barton, Jr., his heirs and devisees; Yates Industries LLC; Robert P. Byron and Jeannine Hooper Byron, Trustees of the Robert and Jeannine Byron Revocable Trust U/T/A



dtd 6/18/2003; Norma J. Chanley, her helrs and devisees; Gatorex Holdings, LLC; Eric C. Moore, Personal Representative for the Estate of Mary Ellen Hudson Taylor; Unknown Successor Trustee of the Hudson-Taylor Trust dated December 3, 1998.

Case No. 15090 (reopened):Application of COG Operating LLC to re-open Case No. 15090 to pool the interests of additional mineral owners under the terms of Compulsory Pooling Order R-13808, Eddy County, New Mexico. Applicant in the abovestyled cause seeks to amend Division Order R-13808 to include the pooling of additional mineral interests in the Atoka-Glorieta-Yeso Pool (Pool Code 3250) consisting of the W/2 W/2 of Section 6, Township 19 South, Range 26 East, NMPM, Eddy County, New Mexico. Said unit is dedicated to the applicant's Arabian 6 Fee No. 10H Well and is located approximately 11 miles south of Artesia, New Mexico.

July 17, 2018