KOLAR Document ID: 1642199

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License # | API No.: |
|--|--|
| Name: | Spot Description: |
| Address 1: | |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip: + | Feet from _ East / _ West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | □NE □NW □SE □SW |
| CONTRACTOR: License # | GPS Location: Lat:, Long: |
| Name: | (e.g. xx.xxxxx) (e.gxxx.xxxxx) |
| Wellsite Geologist: | Datum: NAD27 NAD83 WGS84 |
| Purchaser: | County: |
| Designate Type of Completion: | Lease Name: Well #: |
| New Well Re-Entry Workover | Field Name: |
| | Producing Formation: |
| ☐ Oil ☐ WSW ☐ SWD | Elevation: Ground: Kelly Bushing: |
| ☐ Gas ☐ DH ☐ EOR | Total Vertical Depth: Plug Back Total Depth: |
| ☐ OG ☐ GSW | Amount of Surface Pipe Set and Cemented at: Feet |
| CM (Coal Bed Methane) | |
| Cathodic Other (Core, Expl., etc.): | Multiple Stage Cementing Collar Used? |
| If Workover/Re-entry: Old Well Info as follows: | If yes, show depth set: Feet |
| Operator: | If Alternate II completion, cement circulated from: |
| Well Name: | feet depth to:w/sx cmt. |
| Original Comp. Date: Original Total Depth: | |
| ☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD | Drilling Fluid Management Plan |
| ☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer | (Data must be collected from the Reserve Pit) |
| Described | Chloride content: ppm Fluid volume: bbls |
| ☐ Commingled Permit #: | Dewatering method used: |
| SWD Permit #: | Location of fluid disposal if hauled offsite: |
| EOR Permit #: | Location of fluid disposal if flauled offsite. |
| GSW Permit #: | Operator Name: |
| | Lease Name: License #: |
| Spud Date or Date Reached TD Completion Date or | Quarter Sec TwpS. R |
| Recompletion Date Recompletion Date | County: Permit #: |

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

| KCC Office Use ONLY |
|---|
| Confidentiality Requested |
| Date: |
| Confidential Release Date: |
| Wireline Log Received Drill Stem Tests Received |
| Geologist Report / Mud Logs Received |
| UIC Distribution |
| ALT I III Approved by: Date: |

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Page Two

| Operator Name: | | | | | Lease Nam | ne: | | | Well #: | |
|--|--|------------------------------|---------------------------------|--|--|------------------------------|------------------------------------|-------------------------------|--|--|
| Sec Tw | pS. F | R [| East | West | County: | | | | | |
| open and closed and flow rates if | , flowing and sh gas to surface t ty Log, Final Lo | nut-in pressurest, along wit | es, whe h final c ain Geo | ther shut-in pre hart(s). Attach physical Data a | essure reached extra sheet if r and Final Electr | station more : ric Loc | level, hydrosta space is needed | tic pressures, d. | bottom hole tempe | val tested, time tool erature, fluid recovery, Digital electronic log |
| Drill Stem Tests (Attach Addit | | | Ye | es No | | Lo | og Formatio | n (Top), Deptl | n and Datum | Sample |
| Samples Sent to | Geological Sur | vey | Ye | es 🗌 No | | Name |) | | Тор | Datum |
| Cores Taken Electric Log Run Geologist Repor List All E. Logs F | t / Mud Logs | | Y€ Y€ | es No | | | | | | |
| | | | | | | | | | | |
| | | | Repo | | RECORD [| Nev | w Used rmediate, producti | on. etc. | | |
| Purpose of St | | ze Hole Orilled | Siz | e Casing (In O.D.) | Weight Lbs. / Ft. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | ADDITIONAL | OF MENTING / | | | | | |
| Purpose: | [| Depth | Typo | of Cement | # Sacks Use | | EEZE RECORD | Typo a | nd Percent Additives | |
| Perforate Protect Ca Plug Back | Top | Bottom | туре | or cement | # Sacks Use | ,u | | туре а | ia reicent Additives | |
| Plug Off Z | | | | | | | | | | |
| Did you perform Does the volum Was the hydraul | e of the total base | fluid of the hyd | draulic fra | cturing treatmen | | • | Yes ns? Yes | No (If No | , skip questions 2 an , skip question 3) , fill out Page Three o | , |
| Date of first Produ | ction/Injection or | Resumed Produ | uction/ | Producing Meth | | | Coolift 0 | thor (Fundain) | | |
| Estimated Produc | otion | Oil Bb | le. | Flowing Gas | Pumping Mcf | Wate | | ther <i>(Explain)</i> bls. | Gas-Oil Ratio | Gravity |
| Per 24 Hours | | Oli Bb | 15. | Gas | IVICI | vvale | ı Di | JIS. | Gas-Oil Hallo | Gravity |
| DISPO | OSITION OF GAS | S: | | N | METHOD OF CO | MPLE. | TION: | | PRODUCTIO | N INTERVAL: |
| Vented | Sold Use | d on Lease | | Open Hole | | | | nmingled | Тор | Bottom |
| (If vente | ed, Submit ACO-18 | .) | | | (5 | SUDITIIL I | ACO-5) (Subi | mit ACO-4) | | |
| Shots Per Foot | Perforation Top | Perforation Bottom | on | Bridge Plug Type | Bridge Plug Set At | | Acid, | | Cementing Squeeze Kind of Material Used) | Record |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TUBING RECOR | D: Size: | | Set At: | | Packer At: | | | | | |

| Form | ACO1 - Well Completion |
|-----------|--|
| Operator | Deutsch, Kent A. dba Deutsch Oil Company |
| Well Name | DIETZ #3-8 OWWO |
| Doc ID | 1642199 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | | | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|------|------|-------------------|-----|----------------------------------|
| Surface | 12.14 | 8.625 | 23 | 410 | common | 350 | 0 |
| Production | 7.88 | 5.5 | 15.5 | 4374 | H-Long | 175 | 0 |
| | | | | | | | |
| | | | | | | | |

| *Total Water Volume: ** Information is based All commonent informa | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | PropCure XB Compon | Proxime XA Component Hexion | SP-480-H28 Inhibitor | W-11 NE/Surfactant | LB-1 Liquid Biocide | 16/30 Premium Phas Sa | 40/70 Premium Sand | Work | Irade Nane | Ingredients Section: |
|---|--|---|--|--|--|---|--|--|--|---|---|---|---|---------------------------------|-----------------|------------|----------------------------|-----------------|---|----------|-----------|-------------------------------------|----------------|-------------------------------|---|------------|---|--------------------|--------------------|-----------------------------|----------------------|--------------------|--|-----------------------|--------------------|--|---|--|
| sources may include fresh wa f on the maccinum potential f then | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ent Hexion | ent Hexion | Strategy Offield | Strategy Offield | LB-1 Liquid Biocide Innoscoc Offield Service Bio | nd SPS | SPS | Dertack O | | 70. |
| Floid Water Volume sources may include fresh wrater, produced water, end/or recycled water Information is based on the maximum potential for concentration and that the total may be over 100%. All consonent information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Epoxy | Polymer Breaker Amidoamine | H2S Scale Inhibitor | NE/Surfactori | Bjocide | Propring Agent | Protein Autor | Carrier Base Fluid | Parpose | |
| mer 100% | | | | | | | | | | | 4.4*-Horrocylidenedishenol-Enjohlarchydrin Coro | 3.9.2.1.2.1 et noustet rapeosit-1-oi 20.50-20-4 91-20-3 | Solvent nenhtha (petroleum), beavy arom | Fatty Acid polyamine condensate | Sodium chlorite | Mediania | Water | Choline Choride | Sumplier Proprietary Mixture | Methatol | Water | Didesyldineshyl anunomium etiloride | Glutaraldehyde | Alcohols, C12-16, Etherylated | Alcohols, C10-16, Ethoxylated Alcohols, C12-14, Ethoxylated | Cario Acid | Distillates (Petroleum), Hydrogreated light | Crystalline Silica | | | | | | | | Witer | | |
| | | | | | | | | | | - | en 25068-38-6 | 91-20-3 | 64742-94-5 | Proprietary | 7758-19-2 | 67-56-1 | 7732-18-5 | 67-48-1 | 77087-87-0 | 67-56-1 | 7732-18-5 | | 111-30-8 | 68531-12-2 | 68439-50-9 | 77-92-9 | 64742-47-8 | | Listed Below | Listed Below | Listed Below | Listed Holow | Listed Below | Listed Bolow | Lated Bolow | 7732-18-5 | Chemical Abstract Service Number (CAS 8) | The second secon |
| | | | | | | | | | | | 75.00% | 1.00% | 10.00% | 25.00% | 10.00% | 30.00% | 75 00% | 75,00% | 63.00% | 15.00% | 74,00% | 3.00% | 20 00% | 5,00% | 5,00% | 5,00% | 30.00% | 100.00% | | | | | | | | 100.00% | Concentration in Additive | |
| | | | | | | | | | | | 91 | 1 | ii. | 30 | 49 | 219 | 863 | 2.505 | 483 | 111 | 340 | 22 | 146 | 50 | 50 | 50 | 300 | 132,300 | | | | | | | | 3.007.271 | Mass per Component (LBS) | Carlo |
| | | | | | | | | | | | 0.60285% | \$,50000 W | 0.000374 | %16000 U | 665556 | 6,585000 | 0.02045% | 607954% | 0.015115% | 0.00349% | 4,060100 | 0.000059% | 0.00457% | 0.90/36% | 0.00/36% | 0.00136% | \$45.600 W | 4.13800% | | | | | | | | \$4.13070F4 | Concentration in III | Bearing and a second se |
| | | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | | SHOW AN ADDRESS OF THE PARTY OF | | The state of the s |
| | | | | | | | | | | | | | | Hexica | | 0000000 | System Olfield | | Strategy Odfield | | | | | | | | | | | | | | | | | The second name of the second | Claimant | |
| | | | | | | | | | | | | | | Logan | | | Circo | | Grez | | | | | | | | | | | | | | | | | The state of the s | Claimant First Name | |
| | | | | | | - | | | | | | | | Cabori | | The second | German | | Permason | | | | | | | | | | | | | | | | | The same of the sa | Claimant Last Name | A CONTRACTOR OF THE PROPERTY O |
| | | | | | | | | | | | | | | losss, cabridabexion.com | | | efermant/flatentapool/flat | | eferganoniflatrategyoilfields: 940-736-0352 | | | | | | | | | | | | | | | | | The second name of the least of | Claimant Email | Section of the second s |
| | | - | | | | - | | | | | | | | 405-301-5073 | | 000000 | 040.716.0160 | | 940-736-0352 | | | | | | | | | | | | | - | | | 2000 | THE OWNER OW | Chinant Phon (ann mit non) | CONTRACTOR DESCRIPTION OF THE PERSON OF THE |







| | | | JOIT OIL | COMPANY | Well: | DIETZ OWWO | 3-8 Ticket: | 141 | D 0000 | | | |
|---------|-------------------------|----------------|-----------------|--|--|---------------------------|----------------------------|--|----------------|--|--|--|
| City | y, State | | | | County: | PRATT,KS | nonet. | | P 2220 | | | |
| Fi | eld Rep | GALE | 1000-100 | | S-T-R: | | Date: | 12/ | 16/2021 | | | |
| | | | | | 5-1-K: | 8-27S-12W | Service: | LONG | GSTRING | | | |
| Do | wnhole | Informat | tion | | Calculated Slu | ry - Lead | | | | | | |
| | le Size | - " | 8 in |] | Blend: | SCAVENGER | | lated Slurry - T | ail | | | |
| | e Depth: 4416 ft | | 6 ft | 1 | Weight: | 13.8 ppg | Blend: | | LONG | | | |
| | ng Size: | | | 15.5# | Water / Sx: | 6.9 gal / sx | Weight: | 15 ppg | | | | |
| | asing Depth: 4380.59 ft | | 9 ft | | Yield: | 1.43 ft ³ / sx | Water / Sx: | 6.0 gal / s | 110.1 | | | |
| | / Liner: | 200 | in | | Annular Bbis / Ft.: | bbs / ft. | Yield: | 1.42 ft ³ /s | | | | |
| | PLUG Depth: 4358.39 ft | | | Depth: | ft | Annular Bbls / Ft.: | | bbs / ft. | | | | |
| | Packer: | | | | Annular Volume: | 0.0 bbls | Depth: | ft | | | | |
| | Depth: | | ft | | Excess: | | Annular Volume: | 0 bbls | | | | |
| Displac | ement: | 103.8 | bbls | | Total Slurry: | 6.3 bbls | Excess: | | | | | |
| TIME | RATE | DOL | STAGE | | Total Sacks: | 25 sx | Total Slurry: Total Sacks: | 44.3 bbls | | | | |
| 10:10PN | | PSI | BBLs | BBLs | REMARKS | 国际科技学习研究的 国际社 | Total Sacks: | 175 sx | | | | |
| 12:00AN | 1 | | - | • | ON LOCATION- SPOT EQU | IPMENT | | The second second | | | | |
| 12.00AN | | _ | | - | RUN 102 JTS 5 1/2" X 15.5 | | | | | | | |
| | \vdash | | | | TURBOLIZERS-2,4,6,8,10,1 | 2,14 | | | | | | |
| 3:45AM | + | | | | BASKET-8 | | | | | | | |
| 3:50AM | 1 | | | | CASING ON BOTTOM | | | | | | | |
| 5:20AM | 1 | 250.0 | | | BREAK CIRCULATION WIT | H RIG PUMP AND MUD - CIRC | ULATE FOR 1.5 HRS. | | | | | |
| 5:22AM | | 350.0 350.0 | 5.0 | 5.0 | H2o AHEAD | | | | | | | |
| 5:24AM | | 350,0 | 12.0 | 17.0 | MUDFLUSH | | | | | | | |
| 5:25AM | | 350.0 | 6.3 | 22.0 | H2o SPACER | | | | | | | |
| 5:26AM | - | 200.0 | 44.3 | 28.3 | MIX 25 SKS SCAVENGER C | | | | <u> </u> | | | |
| 5:35AM | - | 200.0 | 44.5 | 72.6 | MIX 175 SKS H- LONG CEW | | | | | | | |
| 5:42AM | 6.0 | - | - | | | AND LINES- DROP LATCHDO | WN PLUG | | | | | |
| 5:53AM | | 400.0 | 70.0 | | START DISPLACEMENT | | | | | | | |
| 5:57AM | | 700.0 | 90.0 | | LIFT PRESSURE | | | | | | | |
| 6:00AM | - | 1,500,0 | 103.8 | | SLOW RATE | | | | | | | |
| | | , | 100.0 | | PLUG DOWN - HELD | | | | | | | |
| 6:15AM | | | 7.0 | | CIRCULATION THRU JOB | | | DATE - | | | | |
| 6:25AM | 7 | | 5.0 | | PLUG RATHOLE WITH 30 SH | | | | | | | |
| 6:30AM | | | | | PLUG MOUSEHOLE WITH 20 | SKS H- PLUG CEMENT | | | | | | |
| | | | | | WASH UP PUMP TRUCK | | | SOURCE CONTRACTOR OF THE PROPERTY OF THE PROPE | | | | |
| | | | $\neg \uparrow$ | | JOB COMPLETE, | | | | | | | |
| | | | | | The state of the s | | | | | | | |
| | | | | | THANKS- KEVEN AND CREW | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | - X | | • | | | |
| | | CREW | 图验证 | a de la companya de l | UNIT | Waterspee with a second | | | | | | |
| Ceme | enter: | LESLE | Υ | | 75 | | SUMMARY | | 以中国中 特别 | | | |
| mp Oper | ator: | BROCK | CMAN | | 179-521 | Average Rate | Average Pressure | Total Fluid | | | | |
| | | | | | ILT VALL | 5.4 bpm | 467 psi | 348 bbls | | | | |