API NO. 15- 101-217360000

STATE CORPORATION COMMISSION OF KANSAS GIL & GAS CONSERVATION DIVISION

| COLL & GAS CONSERVATION DIVISION WELL COMPLETION FORM | County Lane 200' South & 80' West of the |
|---|---|
| ACO-1 WELL HISTORY | 200' South & 80' West of the |
| Operator: License # | 1120 feet from SAXX(circle one) Line of Section |
| Name: Raymond Oil Company, Inc. | 1400 Feet from EXXX(circle one) Line of Section |
| Address P. O. Box 48788 | Footages Calculated from Nearest Outside Section Corner: |
| | tease Name Grusing Well # 1 |
| City/State/Zip Wichita, Kansas 67201 | Field Name Wildcat |
| Purchaser: N.C.R.A. | Producing Formation Lansing 160 Zone |
| Operator Contact Person: Pat Raymond | Elevation: Ground 2836' KB 2841' |
| Phone (316) 267-4214 | Total Depth 4610' PBID |
| Contractor: Name: Murfin Drilling Company, Inc. | Amount of Surface Pipe Set and Cemented at |
| License: 30606 | Multiple Stage Cementing Collar Used? Yes No |
| Wellsite Geologist: Tim Hellman | If yes, show depth setFeet |
| Designate Time of Completion | If Alternate 11 completion, cement circulated from 2250 |
| XX New Well Re-Entry Workover | feet depth to surface w/ 450 sx cmt. |
| X Oil SND SION Temp. Abd. | |
| Dry Other (Core; WSW, Expl., Cathodic, etc) | Drilling Fluid Management Plan A/+ 2 /-22-98 - U.C. (Data must be collected from the Reserve Pit) |
| If Workover: | · |
| Operator: | Chloride contentppm Fluid volumebbls |
| Well Name: | Dewatering method used |
| Comp. DateOld Total Depth | Location of fluid disposal if hauled offsite: |
| Deepening Re-perf Conv. to Inj/SMD | Operator Name |
| Plug Back PBTD Commingled Docket No. Dual Completion Docket No. | <u> </u> |
| Dual Completion Docket No | Lease NameLicense No> |
| | Quarter SecTwpS RngE/W |
| 4-13-97 4-24-97 5-3-97 Spud Date Reached ID Completion Date | County Docket No |
| | N :: |
| - Room 2078, Wichita, Kanses 67202, Within 120 days of the Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on | be filed with the Kansas Corporation Commission, 130 S. Market spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of the form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS tils. Submit CP-111 form with all temporarily abandoned wells. |
| All complements of the statutes, rules and regulations promul | gated to regulate the oil and gas industry have been fully complied |
| with and the statements herein are complete and correct to t | he best of my knowledge. |
| | |
| Signature Pat Raymond Title Vice President Date 6- | K.C.C. OFFICE USE ONLY F Letter of Confidentiality Attached C Wireline Log Received C Conlonist Received |
| Pat Raymond Title Vice President Date 6- Subscribed and suorn to before me this 9th day of | F Letter of Confidentiality Attached C Diretine Log Received C Geologist Report Received Distribution |
| Pat Raymond Title Vice President Date 6- | F Letter of Confidentiality Attached C Direline Log Received C Geologist Report Received |

Form ACO-1 (7-91)



| SIDE TW | n |
|---------|---|

| | | | SIDE TWO | | | | 1 | • |
|---|---|---|--|--|---------------------------------------|-------------------------------------|---|-----------------------------|
| perator Name Raymo | ond Oil Com | pany, Inc. | Lease Name | Grusing | | _ Well # _ | | — à |
| ес. <u>13</u> Тыр. <u>17S</u> | | Fact | County | Lane | | | | |
| MSTRUCTIONS: Show interval tested, time ydrostatic pressures f more space is need | important tops (a tool open and bottom hole to | and base of formati d closed, flowing of emperature, fluid re | ons penetrated. and shut-in pres acovery, and flow | Detail all sures, wheth rates if gas | cores. Report | all drill ssure reaching test. / | stem tests hed static Attach extr | giving level, a sheet |
| rill Stem Tests Take (Attach Additional | en . | 🖾 Yes 🗆 No. | XXLog | Formation | 1 (Top), Depth a | and Datums | XK Sa | mple |
| amples Sent to Geolo | | 🖾 Yes 🗌 No | Name | • | . , | | | |
| ores Taken | | ☐ Yes XX No | | | | | | |
| lectric Log Run (Submit Copy.) | | ☑ Yes ☐ No | e: | | | • | | |
| ist Ali E.Logs Run: | ELI - Rad | iation Guard | | · SEE | ADDITIONAL | SHEET A | ATTACHED | |
| | | CASING RECORD | I I Nau 4640 II | sed | production, et | c. | | |
| | | Size Casing | Weight | Setting | Type of | # Sacks | Type and | |
| Purpose of String | Size Hole Drilled | Set (In O.D.) | Lbs./ft. | Depth | Cement | Used | Additi | - |
| Surface | 12 1/4" | 8 5/8" | | 251' | 60/40 Poz | 175 | 3% CC, | 2% gel |
| Production | <u> </u> | 5 1/2" | | 4373' | 60/40 Poz | 150 | | |
| | <u></u> | | 5000 | <u></u> | <u> </u> | <u> </u> | J | |
| | ADDITIONAL CO | EMENTING/SQUEEZE RE | CORD | | | <u></u> | | |
| Purpose: Perforate | | Type of Cement | #Sacks Used | <u> </u> | Type and Percer | nt Additive | es | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | |
| Shots Per Foot | PERFORATION Specify Footas | RECORD - Bridge P ge of Each Interval | lugs Set/Type Perforated | Acid, (Amount a | Fracture, Shot, nd Kind of Mater | Cement Serial Used) | | |
| 2 SPF | 4232'-424 | 01 | | Acidize w/500 gal 15% & reacidized w/1000 gal 15% | | | 40' | |
| | | | - | | | | 88' | |
| 2 SPF | 4178'-418 | 81 | | | w/1500_gal | acid & | | 30 |
| | | | Darker AA | 100# roo | | | | |
| TUBING RECORD | \$ize 2" | Set At 42831 | Packer At | | ∐ Yes ⊠ | | | |
| Date of First, Resu 5-4-97 | med Production, | , SWD or Inj. Pro | ducing Method | | | | | |
| Estimated Production Per 24 Hours | n Oil | Bbts. Ges | Mcf Ust 0 | 25 | · · · · · · · · · · · · · · · · · · · | l Ratio | | 350 |
| Disposition of Gas: | None METHOD O | F COMPLETION | | • | roduction Inter | | 417 | 1 B |
| Vented D sold | Used on I | Lesse 🔲 Ope | m Hole 🛭 Perf | . ⊔ բառե | y Comp. Li Con | mingled | 424 | |
| (If vented, su | dmit ACO-18.). | Oth | ner (Specify) | | | | _707 | |

RAYMOND OIL COMPANY, INC.

Grusing #1

ORIGINAL

1120' FSL & 1400' FEL Section 13-17S-30W, Lane County, Kansas API No. 15-101-217360000

Drilling Contractor: Murfin Drilling Co., Inc. Rig #8

Elevation: 2836' GL - 2841' KB

Geologist: Tim Hellman

TOPS

| Formation | Sar | nple <u>Datum</u> | Log | <u>Datum</u> |
|----------------|-------|-------------------|------|--------------|
| Anhydrite | 2222 | + 619 | 2224 | + 517 |
| B/Anhydrite | 2251 | + 590 | 2252 | + 589 |
| Heebner Shale | 3913 | -1072 | 3917 | -1076 |
| Lansing | 3950 | -1109 | 3955 | -1114 |
| Muncie Creek | 4121 | -1280 | 4124 | -1283 |
| Stark Shale | 4219 | -1378 | 4219 | -1378 |
| Hush Shale | 4253 | -1412 | 4255 | -1414 |
| Marmaton | 4336 | -1495 | 4337 | -1496 |
| Altamont "B" | 4375 | -1534 | 4381 | -1540 |
| Ft. Scott | 4466 | -1625 | 4470 | -1629 |
| Cherokee Shale | e4488 | -1647 | 4493 | -1652 |
| Johnson Zone | 4532 | -1691 | 4533 | -1692 |
| Mississippian | 4564 | -1723 | 4557 | -1716 |
| Total Depth | 4610 | | 4611 | |
| • | | | | |

DST #1 4110'-4185' (140 & 160 Zones) 30-60-45-75 - 1st open - Wk bldg to 8" - 2nd open Wk bldg to 4". Rec. 70' CO (35 degree gravity), 180' MGO (50% O, 10% G 40% M) 240' MGO (45% O, 25% G 30% M) 490' TF. IFP 62#-104#, FFP 145#-218#, ISIP 1101#, FSIP 1091#. BHT 110 degrees.

DST #2 4182'-4262' (180-200 MC Zones) 30-60-45-75 - 1st open - Wk bldg to 3", 2nd open wk bldg to 4". Rec. 140' CO (33 degree gravity), 60' O&GCM (20% O, 5% G 75% M), 60' O&GCM (20% O, 20% G 60% M) IFP 41#-62#, FFP 93#-135#, ISIP 1163#, FSIP 1132#, BHT 113 degrees.

DST #3 4290'-4390' (Marmaton & Altamont "B") 30-45-30-45 - 1st open - 1/4 blow 2nd open - no blow. Rec. 30' SOCM (2% O, 98% M) IFP 31#-31#, FFP 41#-41#, ISIP 1080#, FSIP 1008#.

DST #4 4435'-4450' (Myrick Station, Ft. Scott, Cherokee Lime & Johnson Zones) 30-45-30-45 1st open 1/2" blow, 2nd open - 1/4" blow. Rec 20' SOCM (19% O, 99% M) IFP 72#-72#, FFP 72#-72#, ISIP 249#, FSIP 135#, BHT 115 degrees.

TELEPHONE: AREA CODE 973 483-7677 AREA CODE 913 483-3887

. ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

ORIGINAL

RUSSELL, KANSAS 67665

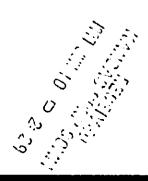
Federal Tax I.D.# 48-0727860

| TO: | Raymond Oil Company | INVOICE NO. | 75048 |
|---------------------|-----------------------------------|-------------|------------|
| | 5730 H. Droadway E. O. Box 49788 | | DER NO. |
| | Wichita, KS 67201 | LEASE NAME | Grusing #1 |
| | | DATE 4 | -24-97 |
| | | 120CIL | 5-16-17 |
| S | ERVICE AND MATERIALS AS FOLLOWS: | in Casi | |
| | NDM 450 Bks 085.65 | \$2,542.50 | |
| | Flosgal 113# esi.15 | | \$2,672.45 |
| | Handling 450 aks 0\$1.05 | 472.50 | |
| | Uiloage (48) 05.042 par sk per mi | 864.00 | 1 200 50 |
| | Top Stage | 550.00 | 1,886,50 |
| | | Total | \$4,558.95 |
| | | | |
| 11. | 4-0~ | | j |
| 1 | | | t Court |
| lf Accou Discour | unt CURRENT a nt of \$663.485 | | |

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 11/2% Charged Thereafter.

3575.10



TELEPHONE: AREA CODE 913 483-2627 AREA CODE 913 483-2887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

| · то: <u>Haymond 011</u> | Company | URIGINAL INVOICE | NO. 75047 |
|---|--------------------------------|---|-------------------|
| 5730 N. firo P. O. Fox 4 Wichita, SS | 8798 | | e order No |
| | | DATE | 4-24-97 |
| SERVICE AND MATERIALS A | SFOLLOWS: Quement | | |
| Common 90 s Poznik 60 s Latex 30 ga | ka 043.15 1 0525.20 | \$549.09 189.00 <u>756.00</u> | 31,494.00 |
| Handling 15 Hiloage (48 Top Stago | 0 sts 071.05 0 sts 071.05 | 157.50 157.50 288.00 1,090.00 | the second second |
| #t 042.85 p | np krk obg | 136.80 | 1,672.30 |
| 114-02 | 1 Añ 10 Ce 2 Pa | itdo Shor \$183.00 FU Insert 263.00 entralizers 560.00 eskets 204.00 | |
| VA CURRENT | | Ton13949.00 | 5,224.00 |
| If Account CURRENT a Discount of \$ will be Allowed ONLY if | 5 | Total | 59,390.30 |
| Paid Within <u>30</u> Days fro Date of Invoice. | m Thank Yo | ru! | 4 |
| All Prices Are Net, I | Payable 30 Days Following Date | of Invoice. 1%% Charged Thereafter. | 113175 |

MATERIA CONTRA C

AREA CODE 913 483-3887 AREA CODE 913 483-3887

ALE ED CEMENTING COMPANY, C.

P. O. BOX 31 RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

To: Raymond Oil Company 74951 INVOICE NO. __ P. O. Box 48788 PURCHASE ORDER NO: Wichita, KS 67201-8788 LEASE NAME Grusing #1 DATE 4-13-97 5-5-97 SERVICE AND MATERIALS AS FOLLOWS: for Su-Free Coment Common 105 sks @\$6.10 \$640.50 Pozmix 70 sks @\$3.15 220.50 Gel 3 sks @\$9.50 28.50 Chloride 5 sks @\$28.00 140.00 \$1,029.50 Handling 175 sks @\$1.05 183.75 Mileage (48) @\$.04¢ per sk per mi 336.00 Surface 445.00 Mi @\$2.85 pmp trk cha 136.80 l plug 45.00 1,146.55 114-02 Total \$2,176.05 If Account CURRENT a Discount of \$__326.41 will be Allowed ONLY if Paid Within 30 Days from Date of Invoice. Thank You! All Prices Are Net, Payable 30 Days Following Date of Invoice. 11/2% Charged Thereafter.

WHITTEN D S 30 MINING THE RECEIVED



ORIGINAL 337-6211

Raymond Oll Company, Inc. P.O. Box 48788 Wichita, KS 67201

Telephone: (316) 267-4214 Facsimile: (316) 267-4218

Date: Ship 2 98 To: Seff Clock phone Company: fax From: Raymon of Co Subject: Ceusing Number of Pages 3 Including this cover page. Remarks:

If you have any questions, please call 267-4214.

g:\date\jef\jet\texheat

SIGNATURE List Schooling

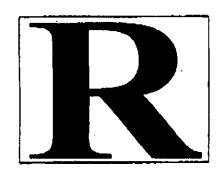
ALLIED CEMENTING CO., INC.

3620

| REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 | GINAL SERVICE POINT: |
|---|--|
| DATE 4-24-97 SEC. TWP. RANGE CO. | ALLED OUT ON LOCATION JOB START JOB FINISH |
| | Les 1E 2/3 5 16 1/2 COUNTY STATE |
| OLD OP (EV) Circle one) | WIE WAS DE DW. James L3 |
| CONTRACTOR Musken Dola 48. | OWNER Same |
| TYPE OF JOB 2. Software | CEMENT |
| HOLESIZE 77 T.D. 4610. | 1 at a 100/ |
| CASING SIZE 5 DEPTH | AMOUNT ORDERED 150 4/40 |
| TUBING SIZE DEPTH 4373 DRILL PIPE DEPTH | lated last 35 m. |
| TOOL DEPTH | |
| PRES. MAX 1240. MINIMUM | COMMON 90 @ 610 549.00 |
| MRAS, LINB 400. SHOB JOINT 28 | POZMIX 60 9 3.15 189.00 |
| CEMENT LEPT IN CSG. | GEL |
| PERFS. | CHLORIDE 0 |
| DOLLED CHAIN | later 30 and @ 25.20 7.56.00 |
| EQUIPMENT | |
| PUMP TRUCK CEMENTER J. W. C. | |
| # 214 HELPER B. Mostare | |
| DIT K TRICK | HANDLING /50 @ 1.05 157.50 |
| # 943 DRIVER RICK | MILEAGE 48 288.00 |
| BULK TRUCK | TOTAL 1939.50 |
| # DRIVER | TOTAL 7937, 70 |
| REMARKS: | SERVICE |
| Crac 5/2 m 150 9/4 Part 3500 | DEPTH OF JOB 4379 |
| whater suns Plus Down that | PUMP TRUCK CHARGE 10 90.00 |
| ded state Hold, presum to 1200 | EXTRA FOOTAGE@ |
| Sheet en wort if 4.00 pm | MILEAGE 48. @ 2.85 /36.80 |
| | PLUO |
| | |
| | |
| CHARGE TO: Roumand O. O. Co. | TOTAL 12.26.80 |
| STREET 5730 N. Bandules | FLOAT EQUIPMENT |
| • | manulya moan |
| CTTYLLICATE STATE VS ZIP 672 19 | 1-5/2 dudo she @ /68.00 /68.00 |
| * 10 | 1- AFU Topan 9 263.00 263.00 |
| | 12 - Cantes the and @ 56.00 560.00 |
| | 2 - Buskets @ 142.00 284.00 |
| | 1-811 Tool 63949.00 3949.00 |
| and the second | سه ۱۱ م. مند الأ |
| | тота 5224.00 |
| | |
| To Allied Comenting Co., Inc. | TAX |
| You are hereby requested to rent cementing equipment | TOTAL CHARGE \$ 8390.30 |
| and furnish cementer and helper to assist owner or | DISCOUNT 1258,55 IF PAID IN 30 DAYS |
| contractor to do work as is listed. The above work was | DISCOUNT |
| done to satisfaction and supervision of owner agent or | n 1 |
| contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side. | Net \$ 7/31,75 |

ALLIED CEMENTING CO., INC. 3614

| MIT TO PO BOX 31 RUSSELL, KANSAS 67665 | GNAL SERVICE POINT: |
|--|---|
| DATE # 4-13-97 13 17s בשמו | 2100 pm. 108 START JOB FINISH 2100 pm. 108 START STATE |
| CONTRACTOR CITCLE ORDS) CONTRACTOR CONTRACT | OWNER Same CEMENT AMOUNT ORDERED 175 6940 394c 2940 COMMON 105 @ 40.10 640.50 POZMIX 70 @ 3.15 220.50 GEL 3 @ 9.50 28.50 CHLORIDE 5 @ 28.00 140.00 WHANDLING 175 @ 1.05 183.25 |
| # //L DRIVER B. LUANA. BULK TRUCK # DRIVER | TOTAL 1549.25 |
| REMARKS: Conc 878 mod 1755 200 200 200 200 200 200 200 200 200 2 | DEPTH OF JOB |
| CHARGE TO: ROMANDO CO. STREET PO BOX 48788 CITY LLCLE STATE S ZIP 67201- 8788. | FLOAT EQUIPMENT |
| To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side. SIGNATURE | TAX |



ORIGINAL

Raymond Oll Company, Inc. P.O. Box 48788

Wichita, KS 87201

Telephone: (318) 267-4214 Facsimile: (316) 267-4218

TRANSMITTAL

| Date: | 1-22-98 | _ |
|-------------|---------------------------------------|-------------|
| To: _ | Virgil Clothier | phone |
| Company:_ | KCZ | fax |
| From:_ | Pat Raymond | _ |
| Bubject:_ | Cementing Ticket-Grusing | |
| Number of P | 2 / | |
| Remarks:_ | | |
| _ | · | _ |
| _ | | |
| | | _ |
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| _ | | |
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| _ | | - |
| • | | <u> </u> |
| | | . |

If you have any questions, please call 267-4214.

| <i>.</i> | TING CO., INC. 3621 |
|--|---|
| O PO. BOX 31 RUSSELL, KANSAS 67665 | GINAL SERVICE POINT: |
| . i | |
| | LLED OUT ON LOCATION 10B START 10B FINISH |
| DATE 4-24-97 13 17 30 | DOCUMENT CTATE |
| LEASE SALE WELL ! LOCATION LOCATION | 16 2/2 1/2 1/2 Have 15 |
| OLD OR MEW (Circle one) | - |
| CONTRACTOR MUNICIPAL ON R. W. S. | OWNER Same |
| TYPE OF JOB 1 - STORE TOP | CEMENT |
| HOLE SIZE 776. T.D. CASINO SIZE 5/2. DEPTH 2250. | AMOUNT ORDERED 450 Lita 4 16 Sant |
| CASING SIZE S/2. DEPTH 22.50. TUBING SIZE DEPTH | AMOUNT ORDERED |
| DRILL PIPE DEPTH | |
| TOOL DEPTH | The second of the second |
| PRES MAX 1500 MINIMUM | COMMON 450 ALL @ 5.65 254250 |
| MEAS, LINE SHOE JOINT | POZMIX@ |
| CEMENT LEFT IN CSO. PERPS. | CHLORIDE |
| (ERIO) | The Seal 1/3 0 415 129.95 |
| EQUIPMENT | |
| BUN MEROND | |
| PUMP TRUCK CEMENTER ALLE | |
| # 224 HELPER B. Norton | HANDLING 450 @ 1.05 472.50 |
| BULK TRUCK | MILEAGE 48. 864.00 |
| 240 DRIVER B.W. | A |
| BULK TRUCK # DRIVER | TOTAL 4008.75 |
| " DRIVER | |
| REMARKS: | SERVICE |
| | DEPTH OF JOB 2250. |
| Miled 450 while He The Seal | PUMP TRUCK CHARGE 550.00 |
| Per Sx | EXTRA FOOTAGE @ A// C- |
| | |
| Coment Did Cin | PLUO@ |
| Float Held | |
| - Anna Anna Anna Anna Anna Anna Anna Ann | # |
| | TOTAL <u>5.50.00</u> |
| CHARGE TO: Round Col Co. | |
| STREET 5730 N. Benedias | FLOAT EQUIPMENT |
| CITYLLELLE STATE ES ZIP 67219 | |
| - · | |
| tion of a second | |
| | @ |
| | |
| The expression of the expression of the expression | |
| • | TOTAL |
| • | |
| | TAX |
| To Allied Cementing Co., Inc. | TOTAL CHARGE \$ 4558.95 |
| You are hereby requested to rent cementing equipment | TOTAL CHARGE TOTAL CHARGE |
| and furnish cementer and helper to assist owner or | DISCOUNT \$ 68.3.85 IF PAID IN 30 DAYS |
| contractor to do work as is listed. The above work was | |
| done to satisfaction and supervision of owner agent or | Not \$ 3875,10 |
| contractor. I have read & understand the "TERMS AND | , 💴 |
| CONDITIONS" listed on the reverse side. | |
| SIONATURE Get Schon Ref | |