

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5697Name: Jackson Brothers, L.L.C.Address 116 East Third StreetCity/State/Zip Eureka/KS/67045-1747Purchaser: EquivaOperator Contact Person: Roscoe G. Jackson IIPhone (316) 583-5122Contractor: Name: Berentz Drilling Co.License: unknownWellsite Geologist: Paul D. Koontz

Designate Type of Completion in year 1968

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/
☐ Plug Back ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

29 Dec. 1967 3 Jan. 1968 1 June 1968
 Spud Date Date Reached TD Completion Date

API NO. 15- 073-20196-0000County Greenwood- SW - SW - NW Sec. 23 Twp. 25S Rge. 8E ☒ E2,970 Feet from S (circle one) Line of Section4,950 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name G.K. Jackson Heirs Well # 22Field Name Sallyards or TeichgraeberProducing Formation BarthlesvilleElevation: Ground 1444 feet KB 1448 feetTotal Depth 2,510 ft. PBTD 2,502 feetAmount of Surface Pipe Set and Cemented at 44 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan P4A
(Data must be collected from the Reserve Pit)Used fresh-water mud to drill this well.Chloride content unknown ppm Fluid volume ?? bblsDewatering method used unknownLocation of fluid disposal if hauled offsite:
Probably not hauled offsite.

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.


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.

Signature _____

Title Co-ManagerDate 5 Dec. 2000Subscribed and sworn to before me this 5th day of December, 2000.

Notary Public _____

Date Commission Expires April 2, 2004

 SANDRA L. BLEWINS
Notary Public - State of Kansas
My Appt. Expires 4-2-2004

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
 C ☐ Wireline Log Received
 C ☐ Geologist Report Received

Distribution

☐ KCC ☐ SMD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
 (Specify)

Form ACO-1 (7-91)

Operator Name Jackson Brothers, L.L.C.Lease Name G.K. Jackson Heirs Well # 22Sec. 23 Twp. 25S Rge. 8E☒ EastCounty Greenwood☐ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☐ Yes ☒ No
(Attach Additional Sheets.)Samples Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☒ Yes ☐ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)

List All E.Logs Run:

1. Wellex Induction Electric Log
2. Wellex Acoustic Velocity Log
3. Johnson Jet's Radioactivity Log

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

See attached geologist's report by Mr. Paul D. Koontz, dated 30 December 1967, for formation tops and description of core.

CASING RECORD

☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	unknown	44 ft.	regular	35	4% CaCl ₂
production	7 7/8"	4 1/2"	9.5	2502 ft.	60-40 Poz	200	none

ADDITIONAL CEMENTING/SQUEEZE RECORD to repair leaks in 4 1/2" casing in Oct. 2000.

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	854 898	regular	200	2% gel (9 October 2000)
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	552 595	regular	100	none (10 October 2000)

Total number of Shots	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
5 (Five)	2463 to 2477 feet (Wellex Log)	hydraulically fractured with water and sand shortly after perforating; but no information is now available.
	(6 May 1968)	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8" EUE	2485 ft.	no packer	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Production Production, Start or Stop probably in June 1968	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil 10 Bbls.	Gas ??? Mcf	Water ??? Bbls.	Gas-Oil Ratio ??? Gravity 41 ⁰

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☒ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 2463-2477
☐ Other (Specify) _____

ORIGINAL

PAUL D. KOONTZ

GEOLOGIST

P. O. BOX 334

EL DORADO, KANSAS

Dec. 30, 1967

JACKSON BROTHERS
514 North Main
Eureka, Kansas

Re: Jackson Heirs #22, SW-SW-NW
Section 23-25S-8E
Greenwood County, Kansas

Dear Sirs,

This report on the subject well is based on microscopic examination of rotary cuttings from 1200' to the total depth of 2510'. All measurements were taken from the rotary drive bushing, which was 2' above derrick floor, and 4' above ground level.

The following tops were picked:

(All tops corrected to Welex measure.)

Elevation (RB)	(*1448)
Plattsmouth Limestone	1158 (+ 290)
Heebner Shale	1188 (+ 260)
Toronto Limestone	1210 (+ 238)
Douglas Shale	1232 (+ 216)
Douglas Sand	1282 (+ 166)
Brown Lime	1421 (+ 27)
Stalnaker Sand	1435 (+ 13)
Lansing Limestone	1550 (- 112)
Bonner Springs Shale	1690 (- 242)
Kansas City Limestone	1845 (- 397)
Base Kansas City	2008 (- 560)
Pawnee Limestone	2138 (- 690)
Peru Sand	2172 (- 724)
Fort Scott Limestone	2213 (- 765)
Cherokee Shale	2274 (- 826)
Cattlemens Sand	2318 (- 870)
Bartlesville Sand	2462 (-1014)
Base Bartlesville	2478 (-1030)
R.T.D.	2510 (-1062)

Shows of oil are as follows:

LANSING LIMESTONE

1640-44. Buff, chalky, limestone, with traces of pin-point and vugular porosity. Traces of staining. No apparent odor or free oil. Does not merit testing.

ORIGINAL

PAUL D. KOONTZ

GEOLOGIST

P. O. BOX 334

EL DORADO, KANSAS

JACKSON BROTHERS
Jackson Heirs #22, SW-SW-NW
Section 23-25S-8E
Greenwood County, Kansas

Dec. 30, 1967

Page 2

PERU SAND

2172-96. Grey, medium, angular, micaceous, shaly quartz sand. Streaks of broken porosity and traces of light staining. No apparent odor, or free oil. Does not merit testing.

BARTLESVILLE SAND, (Diamond Core 2463-75.)

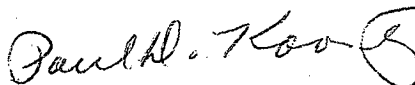
2462-70. Grey, angular, micaceous, shaly quartz sand with streaks of shale. Slight spotted granular porosity and bleeding free oil. Rich fluorescence.

2470-78. White to grey, angular, calcareous, cemented quartz sand, with good to fair granular porosity. Good odor, and rich fluorescence. Slight bleeding in core.

Ran Welex Induction-Electric Log, with Acoustic-Velocity Log. Calculated all critical zones. Only the Bartlesville Sand appeared to carry commercial oil.

It was recommended that 4½" be set and cemented @ 2510' to test the Bartlesville Sand.

Thank You



PAUL D. KOONTZ
Geologist

ORIGINAL

No. 1058

PHONE AC 316-DA 1-4680

SERVICE CHARGE: Kumples Truck Rental beringer exact no phone

	MATERIAL USED
QUANTITY	TYPE
23	Sax Cement 7% C.C.
2	Sax C.C.
We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer or if furnished by us, the cost will be charged to the MILEAGE.	
DEL. CHGE.	

RECEIVED BY: Sec of Defense, Dept of Defense, Washington, D.C.

T. D. CSG. SET AT

SIZE HOLE ON 10/4 ARE OF 12/14 FOR TBG SET AT ANALYSIS HAS NOT BEEN

MAX. PRESS. _____ SIZE PIPE _____

PLUG DEPTH 16 PKER 1000

PLUG USED _____ TIME CEMENTED 5 PM

[illegible]

YISNS TOI AN. ESTUDINIER OS ASERGA YEMOVSLS , DEREVERS JON II . SAMS

Electro-chemical and the battery of service instruction is in

~~SECRET - SECURITY INFORMATION - NO FORN DISSEM~~

not yet so engaged that they will be able to do so.

~~and Serials 10 film copies have been made of film 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843~~

Not used

~~Golden Thread in analysis of doc/100-157167-11A~~

EQUIPMENT USED		
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NAME		UNIT NO.	NAME		UNIT NO.
	2	Lt			

1200 P. 202	2000 M. 202
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Clarence Thomas 5 Carl F. Smith

CEMENTER OR TREATER

OWNER'S REP.

UNITED CEMENTING & ACID CO., INC.

No 978

PHONE AC 316-DA 1-4680

A material service is ordered and the customer's account
 same after the solution has been prepared, a change will be made
 to the account and the account is closed.
 The account is now open and the account is closed.
 The account is now open and the account is closed.
 The account is now open and the account is closed.

EQUIPMENT USED			
NAME	UNIT NO.	NAME	UNIT NO.
Sam	101		
Don M.	202		
Brown		X	
CEMENTER OR TREATER		OWNER'S REP	

CEMENTER OR TREATER

OWNER'S REP.