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NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-117
Revised 1-1-80
Type of Well ☒ Oil ☐ Gas ☐ Other ☐
Type of Completion ☒ New ☐ Re-completion
OG-4886

NAME OF WELL
TYPE OF COMPLETION
NEW ☒ RE-COMPLETION
Operator
Read & Stevens, Inc.
Address
P. O. Box 1518, Roswell, New Mexico 88201

County Agreement Name
Name of Lessee
Wainoco State
Well No.
3
Field and Pool, or Wildcat
Quail Queen

UNIT LETTER A LOCATED 990 FEET FROM THE North 990 FEET FROM
East 11 19-S 34-E
LINE OF SEC
4-20-80 5-9-80 7-8-80 3968.8' GR, 3980.8' RKB
Well Depth 6200' 4600' --- 0' - 6200'
4974-79', 4983-86', 5000-06', 5029-39' Quail Queen
GR - CNL, FDC & GR-DLL & MLL

Lea
Cable Pools
None
No
Yes

CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PLACED
CA INCH SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE			
8 5/8"	23#	1831'	11"	700 sx. Class "C" - circ.		none
4 1/2"	10.5#	5909'	7 7/8"	787 sx. Class "C" Pozmix		none

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	CASING CEMENT	SIZE	DEPTH SET	PACKER SET
				2 3/8"	5036'	5005' seat. nipple

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		AMOUNT AND KIND MATERIAL USED	
DEPTH INTERVAL			
5546' - 5739'		3,120 gals. 15% NE acid	
5546' - 5588'		2,500 gals. 15% NE acid	
4974' - 5039'		1,000 gals. 15% NE acid	
4974' - 5039'		23,940 gals. gelled wtr. & 25,000# 20/40 sand	

PRODUCTION
6-17-80 Pumping - 2" x 1 1/2" x 16' RWBC pump
7-8-80 24
24.83 12 2 483-1
24.83 12 2 33°
Vented
Two copies of logs, deviation survey, core analysis and description.

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.
SIGNED Shari Hamilton TITLE Authorized Agent DATE July 9, 1980

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Northwestern New Mexico

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All Points, Inc.

George E. Thompson

ANALYSIS OF CORE SAMPLES
DEPT. OF GEOLOGY, UNIVERSITY OF TEXAS
AT AUSTIN, TEXAS 78712

SPECIAL ZONE CORE ANALYSIS - ON OIL LOCATION - OFFSHORE

WELL V. Winocosa 10/043 COUNTY Lea STATE N.M.
COMPANY Road & Stone, Inc. DATE 4-11-80
FIELD Quail Run TYPE CORES side walls ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCYs		GAS VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER & PORE SPACE %	SATURATION OIL & PORE SPACE %	FACIES	CORE DESCRIPTION
	VERT.	HORIZ.							
13583	12 ²	2	5 ⁴	TR	16 ²	66 ²	TL	Water	Dol. sdy. antygel. it. n. sh. y. Reddish Brown No Phos.
136	00	0	38	TL	15 ⁴	74 ⁸	TL	No Phos.	sh. Hd. sdy. silty Reddish gray silty clay.
1498	N.T.	0	78	TL	16 ⁵	52 ²	TL	Pass	sd. lim. v. f. silty ch. gray spotted Phos.
1978	N.T.	0	88	TL	16 ²	43 ²	2 ⁵	Pass	siltstone firm v. sh. gray oil odor solid yellow.
1771	1 ¹	0	3 ⁵	TL	15 ²	77 ²	TL	L.P.	As above No odor No Phos.
1001	2 ²	0	4 ⁴	TL	16 ³	73 ⁰	TL	1	As above
03	25 ²	4	9 ²	38	19 ⁸	34 ²	19 ²	oil	sd. firm v. sh. silty gray oil odor solid Br. yellow.
31	20 ²	5	6 ⁵	TL	18 ²	64 ⁰	16 ²	Pass	As above
059	19 ¹	0	5 ²	TR	16 ²	64 ⁸	TR	L.P.	sd. firm - Hd. v. sh. silty sh. calc. gray No odor No Phos.
167	N.T.	0	6 ¹	00	15 ²	59 ²	00	Pass	siltstone soft - firm calc. gray No odor No Phos.
202	09 ²	0	2 ³	TL	14 ¹	83 ²	TL	L.P.	siltstone Hd. gray calc. a.
571	N.T.	0	13 ²	4 ²	22 ⁶	20 ⁰	21 ²	oil	sd. lim. soft friable gray solid Br. yellow.
7616	N.T.	0	5 ¹	1 ²	12 ²	48 ⁴	10 ⁰	oil	Dol. Hd. Dense gray x. staining sd. lim. int. brown.
767	11 ²	0	7 ³	TL	17 ⁸	59 ⁰	TL	Pass	Dol. lim. Hd. light brown. No odor No Phos.
75	5 ¹	0	5 ²	TL	16 ¹	67 ¹	TL	Water	lim. - Dol. Hd. brown No odor No Phos.
767	23 ⁵	0	4 ³	TL	15 ²	73 ⁰	TL	1	Dol. firm v. sh. gray gray No odor No Phos.
033	N.T.	0	18	TL	14 ²	81 ²	TL	Water	sd. lim. v. sh. silty gray No odor No Phos.
96	16	0	46	TL	18 ⁴	74 ⁸	TL	1	sd. firm v. sh. silty calc. gray No odor No Phos.
102	12 ²	0	4 ²	00	15 ²	69 ²	00	1	As above



All Points, Inc.

ANALYSIS

ANALYZING CORE ANALYSIS, ON SITE LOCATION OFFSHORE

WELL Wainoco. 51043 COUNTY LOG. STATE N. MEX
 COMPANY Rood & Stevens Inc. DATE 4-11-80
 FIELD Quail Cove TYPE CORES side walls ANALYST Thorp

ANALYSIS DATA AND INTERPRETATIONS

DEPTH	PERMEABILITY MILLIDARCY		GAS BY VOLUME %	OIL BY VOLUME %	POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PRESS L.P.	CORE DESCRIPTION
	VERT	HORIZ							
1496		0 ⁵⁶	0	66	02	14 ⁶	58 ²	02	L.P. shale from side, grey no oil - no gas
1987		N.T.	0	86	02	13 ²	38 ¹	02	as above
5006		N.T.	0	98	TL	16 ¹	39 ¹	TL	soft firm v. fine silty v. sticky safe No odor No gas
37		N.T.	0	58	16	15 ²	53 ⁴	10 ¹	oil soft firm v. sticky v. consistent oil oil after 20 min 1/2 hr
548		N.T.	0	96	TL	13 ⁸	30 ⁴	TL	lime sdly light grey white oil oil after 20 min 1/2 hr
60		0 ⁷⁴	0	83	36	13 ²	14 ⁴	25 ²	L.P. oil det. limey firm friable light grey solid yellowish
61		0 ³⁵	0	70	03	14 ¹	48 ²	2 ¹	as above
85		1 ¹⁰	0	80	TR	13 ⁰	38 ⁵	TL	as above
702		N.T.	0	73	03	11 ²	36 ¹	2 ⁵	oil det. as above with weak flow
15		N.T.	0	72	03	12 ¹	38 ⁰	2 ⁵	as above

WELL NAME & NUMBER Winoco #3

LOCATION Sec. 11, T-19-S, R-34-E, Lea County, New Mexico
(Give Unit, Section, Township and Range)

OPERATOR Read & Stevens, Inc., P. O. Box 1518, Roswell, New Mexico 88201

DRILLING CONTRACTOR Kenai Drilling of Texas, Inc., P. O. Box 6725, Odessa, Texas 79762

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4 250</u>	<u>2-1/2 4,363</u>	<u> </u>	<u> </u>
<u>3/4 510</u>	<u>2 4,473</u>	<u> </u>	<u> </u>
<u>3/4 1,037</u>	<u>1-3/4 4,735</u>	<u> </u>	<u> </u>
<u>3/4 1,132</u>	<u>1-3/4 5,234</u>	<u> </u>	<u> </u>
<u>1 1,620</u>	<u>1/2 5,585</u>	<u> </u>	<u> </u>
<u>1 1,841</u>	<u>1/2 6,200</u>	<u> </u>	<u> </u>
<u>1 2,403</u>	<u> </u>	<u> </u>	<u> </u>
<u>1 3,040</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 3,382</u>	<u> </u>	<u> </u>	<u> </u>
<u>2 3,857</u>	<u> </u>	<u> </u>	<u> </u>
<u>1-1/2 3,950</u>	<u> </u>	<u> </u>	<u> </u>
<u>2-1/2 4,136</u>	<u> </u>	<u> </u>	<u> </u>
<u>2-1/2 4,238</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor Kenai Drilling of Texas, Inc.

By R. A. Smith
R. A. Smith, Drilling Engineer

Subscribed and sworn to before me this 28th day of May, 19 80

Barbara J. LaGrone
Notary Public Barbara J. LaGrone

My Commission Expires 8-22-81

Ector County Texas