

Permit No. 1048 API 09-051-20101 County Hendry Florida

Company Natural Resource Management (NRM) Fee 20-4 Alico, Inc. "B"

Location: SHL 1297.1' FSL; 1294.7' FEL Sec. 20 T 44S R 30E  
 BHL Sec. T R

Elevation: G.L. 28.4' D.F. 48.0' K.B. 49.0' Depth Measured From KB

Spud 10/11/81 Completed 11/28/81 Status P&A

Logs BCSL 7500-12,224', CNFD 7500-12,224', Ind-Laterolog Cyber 3778-12,224',  
 DIL SFL 3778-12,224'

Casing Record 20" csg @ 245' w/640 sx; 13-3/8" csg @ 1550' w/1000 sx; 9-5/8" csg @ 3777' w/400 sx.

This Log Prepared by C. Gordon & R.S. Caughey Date 12/15/81 & 11/94

Remarks Lost full returns @ 1990'. Driller reported bouldery drilling between 1990' to about 3100' to 3200', with "broken" drilling to about 3500'.

Drilling Rate min/ft.	Lith.	Depth	Description/Remarks
		0-30	Loose, f-med Qz sand, minor brn stained grs & Ss; tr phos.
		30-60	Wh, sandy, v fos Ls, minor phos; minor brn stained Ss.
		60-90	Fossil shell fragments; minor wh, sandy, fos Ls.
		90-120	Pale olive, v sandy, fos Ls to calc Ss, minor wh, sandy fos Ls, common mollusks; phos ≤1%.
		120-150	Pale olive, v sandy Ls, phos ≤1%.
		150-210	50% mollusk frags & 50% pale olive Ls as above; minor f xln Dol.
		210-270	Mollusk fragments, minor pale olive Ls as above, 5% f xln Dol.
		270-300	Loose, f-crse, subang-subbrnd, common pebbles, Qz sand; 2-4% phos grs/grns; minor mollusk frags & pale olive Ls as above.
		300-330	Loose, f-crse gr, Qz sand, rare pebbles, phos 1-3% as grains.
		330-360	Loose, f-crse Qz sand, rare pebbles; 2-4% phos grs/grns, rare pebbles.
		360-390	Loose Qz/phos as above; minor Ss and mollusk frags.
		390-480	Loose Qz sand as above, 2-4% phos grs/grns.
		480-510	Wh-grayish yel, sandy, v fos Ls; phos 2-4%.
		510-540	Ls as above, phos 3-6%; minor pale olive rexal Dolosilt.
		540-600	Ls as above, more grayish yel, silty, sandy, fos Ls; minor wh f xln Dol, minor pale olive Dolosilt.
		600-630	Wh, sandy, phos, fos Ls, phos 3-7%, minor loose, med-pebble size Qz sand, minor phos pebbles.
		630-660	Vpo-v lt gray, sandy, silty, phos Ls, 3-10% phos, mollusk frags, 5% phos pebbles, minor pale olive Dolosilt, common encrusting bryozoa.
		660-720	As above w/ abundant encrusting and cheilostome bryozoa.
		720-810	Wh-yel gray, granular, sl sandy fos Ls, 10% yel gray, fg xln, silty Dol, minor pale olive Dolosilt & minor cheilostome (?) and encrusting bryozoa.
		810-870	Vfg-microxln Dol as above, some gray orange, minor Ls as above; rare vpo sandy Ls w/1% bl phos grs.
		870-900	Gray orange-lt gray, sandy, silty Dol w/1% bl phos grs & minor Ls as above.
		900-930	Wh, sl sandy, fos Ls w/1% bl phos grs, 30% Dol as above & 20% gray olive Dolosilt & minor phos pebbles.
		930-1000	Wh, chalky, part rexal, fos Ls.

Permit No. 1048      API 09-051-20101      County Hendry      Florida  
 Company NRM      Fee 20-4 Alico, Inc. "B"

Drilling Rate min/ft.			Lith.	Depth	Description/Remarks
5	10	15			
					1000-1060 - Vpo, chalky, silty, fos, part rexal Ls w/abundant <u>Lepidocyclina</u> .
				1100'	1060-1120 - Ls as above; common <u>Lepidocyclina</u> and <u>Camerina</u> .
					1120-1210 - Ls as above; abundant <u>Lepidocyclina</u> and <u>Camerina</u> .
				1200'	1210-1395 - Ls as above; some w/Dol rhombs in matrix; common <u>Lepidocyclina</u> and <u>Camerina</u> .
				1300'	
				1400'	1395-1425 - Vpo, granular, part rexal, fos Ls; rare <u>Camerina</u> and <u>Dictyoconus cookei</u> . 1425-1455 - Ls as above, some w/calcite crystals, some w/Dol rhombs in matrix; rare <u>D. cookei</u> . 1455-1550 - Ls as above; minor <u>D. cookei</u> ; rare <u>Dictyoconus americanus</u> (?)
				1500'	
					1550-1580 - Ls as above, 25% grayish orange-dk yel brn and vfg-med xln Dol.
				1600'	1580-1670 - Ls as above and minor Dol as above.
					1670-1790 - Ls as above; rare Dol as above.
				1700'	
				1800'	1790-1880 - Grayish orange, vfg-med xln Dol, 30% Ls as above and rare wh gypsum.
					1880-1910 - Ls as above, 40% Dol as above and rare wh gypsum.
				1900'	1910-1940 - As above w/20% Dol.
					1940-1970 - As above w/50% Dol.
					1970-2060 - Samples missing.
				2000'	Lost returns @ 1990'. Reported bouldery drilling between 1990-3200'± with "broken" drilling to about 3500'.
					2060-2090 - Ls as above, 25% Dol as above and rare wh gypsum
				2100'	2090-3770 - Samples missing.
				2200'	



Permit No. 1048

API 09-051-20101

County Hendry

Florida

Company NRM

Fee 20-4 Alico, Inc. "B"

Drilling Rate min/ft			Lith.	Depth	Description/Remarks
5	10	15			
					2090-3770 - Samples missing.
				3500'	
				3600'	
				3700'	
				3800'	Lt gray, chalky Ls; minor Dol (?) & trace Anhydrite.
				3900'	Lt gray, chalky Ls; common Anhydrite.
				4000'	Lt tan to white, chalky Ls; minor Anhydrite.
				4100'	
				4200'	
				4300'	Lt gray Anhydrite; minor Ls.
				4400'	Lt gray Anhydrite; minor wh Ls & lt tan Dol.
				4500'	
				4600'	(4600' through 5820', largely lt gray Anhydrite, with smaller amounts of white Ls and lt tan to tan Dolomite.)