

PROPOSED HORIZONTAL WELLS(S)												
		Surface Location		Surface Location								
Well Name and Number		QQ-Section-Twp-Range		QQ-Section-Twp-Range								
Willow Bend LD 18-22HC		NE NE Sec 18, T1S, R67W		NE NE Sec 18, T1S, R67W								
Willow Bend LD 18-22HN		NE NE Sec 18, T1S, R67W		NE NE Sec 18, T1S, R67W								
Willow Bend LD 18-23HC		NE NE Sec 18, T1S, R67W		NE NE Sec 18, T1S, R67W								
Operator's Wellbore Integrity Contract												
OFFSET WELL EVALUATIONS												
Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Settling Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	Comments (Optional)
05-001-07031	ADAMS-FRONT RANGE 1A	Willow Bend LD 18-22 HN and Willow Bend LD 18-22HC	139'	ADAMS COUNTY	6/17/1976	PA	200	1064		N/A		Stage 1 TOC @ 3850 Calculated Abandoned 10-04-1997 CIBP @ 5100 w/2x cement Squeeze holes @ 1500' - squeezed w/40sx TOC 1300; Squeeze holes @ 750' - squeezed w/40sx TOC 550; Squeeze holes @ 150' - squeezed w/40sx TOC Surface 5sx cement at surface. Cut and capped surface casing and production casing 4' below surface.
05-001-07028	BROKEN BOW 1 18-1	Willow Bend LD 18-22 HN and Willow Bend LD 18-22HC	146'	TUDEX PETROLEUM INCORPORATED	3/24/1977	PA	203	1027		N/A		Stage 1 TOC @ 4400 and Stage 2 TOC @ 760 verified by CBL Abandoned 11-21-2000 CIBP @ 5000 w/2x cement, CIBP @ 1026 w/2x cement Surface Shoe Plug: Squeeze Holes @ 285' Squeezed with 50sx; Surface Plug: 10 sx Cut and capped surface and production casing 4' below surface
05-001-07025	BROKEN BOW 1 18-2	Willow Bend LD 18-22 HN and Willow Bend LD 18-22HC	138'	TUDEX PETROLEUM INCORPORATED	4/12/1977	PA	200	1042		N/A		Stage 1 TOC @ 4400 Calculated and Stage 2 TOC @ 713 verified by CBL Abandoned 10-14-2003 CIBP @ 5000 w/2x; Squeeze holes @ 1600' - squeezed w/40sx Cut and pulled 4-1/2" from 650' Surface Shoe Plug: 75sx, 61' - 248' 10sx cement at surface. Cut and capped surface casing 4' below surface
05-001-07026	BROKEN BOW 1 18-3	Willow Bend LD 18-23HC and Willow Bend LD 18-23HN	266'	TUDEX PETROLEUM INCORPORATED	5/7/1977	PA	197	1059		N/A		Stage 1 TOC @ 3800 Calculated and Stage 2 TOC @ 616 verified by CBL Abandoned 10-13-2003 CIBP @ 5000 w/2x cement; Squeeze holes @ 1600' - squeezed w/40sx Cut and pulled 4-1/2" from 585' Surface Shoe Plug: 75sx, 55' - 248' 10sx cement at surface. Cut and capped surface casing 4' below surface
05-001-07029	BROKEN BOW 1 18-4	Willow Bend LD 18-23HC and Willow Bend LD 18-23HN	261'	TUDEX PETROLEUM INCORPORATED	8/6/1977	PA	200	1046		N/A		Stage 1 TOC @ 4108 and Stage 2 TOC @ 600 verified by CBL Abandoned 05-25-2001 CIBP @ 5000 w/2x cement, CIBP @ 1144 w/2x cement Surface Shoe Plug: Shot holes at 265 and squeezed with 50 sx, left 10 sx inside 4-1/2" 10sx cement at surface. Cut and capped production and surface casing 4' below surface
05-001-07030	BROKEN BOW 1 18-5	Willow Bend LD 18-23HC and Willow Bend LD 18-23HN	272'	TUDEX PETROLEUM INCORPORATED	8/11/1977	PA	200	1074		N/A		Stage 1 TOC @ 4000 Calculated and Stage 2 TOC @ 450 verified by CBL Abandoned 05-22-2003 Casing Plug: 20sx 5000-5100; Squeeze holes @ 1600' - squeezed w/40sx Cut and pulled 4-1/2" from 300' Surface Shoe Plug: 60sx, 93' - 200' 10sx cement at surface. Cut and capped surface casing 4' below surface
05-001-07030	BROKEN BOW 1 18-6	Willow Bend LD 18-23HC and Willow Bend LD 18-23HN	285'	TUDEX PETROLEUM INCORPORATED	8/16/1977	PA	216	1082		N/A		Stage 1 TOC @ 2800 Calculated and Stage 2 TOC @ 650 estimated by pipe stretch at abandonment Abandoned 05-14-1993 CIBP @ 5000 w/2x; Squeeze holes @ 1412' from 275'. Circulated 85 sx cement to surface. Cut and pulled 4-1/2" from 275'. Circulated 85 sx cement to surface. Cut and capped surface casing 10' below surface
05-001-09706	CARLSON 21-18	Willow Bend LD 18-36HN-2	989'	GREAT WESTERN OIL & GAS COMPANY LLC		XX	0	1024				Stage 1 TOC @ 4150 Calculated, Stage 2 TOC @ 750 verified by CBL Abandoned on 8/17/2006 CIBP @ 5080 w/2x cement, CIBP @ 1370 w/2x cement Cut and pulled 4-1/2" from 724' Surface Plug 60sx 135' - 0. Cut and Capped surface casing 25' below ground
05-001-06944	CAVANAUGH 1	Willow Bend LD 18-22 HN and Willow Bend LD 18-22HC	1151'	ENERGY SEARCH COMPANY	11/12/1974	PA	125	1117		N/A		Stage 1 TOC @ 3800 Calculated Abandoned 8/19/2006 CIBP @ 5091 w/2x cement; Squeeze Holes @ 1505', Cmt Retainer @ 1409' squeezed w/40sx Squeeze Holes @ 750', Cmt Retainer @ 650' squeezed w/40sx Squeeze Holes @ 135', squeezed w/65sx with cement to surface Cut and capped surface and production casing at 25' below surface
05-001-07016	CAVANAUGH 2	Willow Bend LD 18-23 HN and Willow Bend LD 18-23HC	1202'	ENERGY SEARCH COMPANY	6/14/1975	PA	101	1122		N/A		Stage 1 TOC @ 6933 Calculated Abandoned 12-22-2004 CIBP @ 8450 w/2x cement; Squeeze holes at 4605, cmt retainer @ 4750 squeezed with 50sx Cut and pulled 4-1/2" from 827' Open Hole Plug: 300 sx 442' - 825' Surface Shoe plug: 100sx 77' - 442' Cut and capped surface casing 15' below surface
05-001-06260	FRI 1-18	Willow Bend LD 18-37HN	214'	NOBLE ENERGY INCORPORATED	3/23/1983	PA	422	1051	4700 - 4005 During P&A	J-Sand - 8468	Slg 1 - 6933	Stage 1 TOC @ 7380 verified by CBL Abandoned 12-22-2004 CIBP @ 7565 w/2sx, CIBP @ 1589' Squeeze holes @ 1585'; Cmt Retainer @ 1467' - squeezed w/60sx Cut and pulled 4-1/2" from 480' Surface Shoe Plug: 50sx, 356' - 450' 75sx 0' - 356'. Cut and capped surface casing 15' below surface.
05-001-06259	FRI 2-18	Willow Bend LD 18-37HN	219'	NOBLE ENERGY INCORPORATED	2/16/1983	PA	428	1053	1250 - 1467 During P&A	Codell - 8065 J-Sand - 8470	Slg 1 - 7380	Stage 1 TOC @ 4780 verified by CBL
05-001-06542	FRONT RANGE #1	Willow Bend LD 18-36HN-2	131'	GREAT WESTERN OIL & GAS COMPANY LLC	7/19/1972	SI	162	1054		N/A		Stage 1 TOC @ 4780 verified by CBL

